OIPE JC107 JAN 18 2005 PATENT & TRADEMARK OFFICE

SEQUENCE LISTING

<110> Helgadottir et al.

<120> SUSCEPTIBILITY GENE FOR MYOCARDIAL INFARCTION

<130> 30847/2051-004

<140> US 10/769,744
<141> 2004-01-30

<150> PCT/US03/32556
<151> 2003-10-16

<150> US 60/419,433
<151> 2002-10-17

<150> US 60/449,331
<151> 2003-02-21

<160> 609

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 214000
<212> DNA
<213> Homo sapiens

<400> 1
gactaagatg aatatgcatt cattcaccaa aatctcatat tcccaaaaag caggaaaggt 60
agtacagtga gatggatgat gccttcacat gactcagatg tcacgtgttt ctcaccattg 120
agacccccaa ggcacccccc cccagcattt accagaatgt gtgtgtaact atttacagtg 180
atttgtgtaa ttatttgatt gtttctcttg tatcctgtag caatgagggt agagattata 240
tcccacctac cactgcagct ccaggatcca gcttcacaaa catttgttga atgaatgaat 300
aagaaaagag gacaccccca aagaggctgc aagggaaaaa gctacaaaga cagaagcacc 360
aggaaaaagt agggtcatgt aagtcaaagc aggaaaaaag ttccatggtg gggtggtcag 420
cagtgtctaa tgccacgaag gcacaaagta ggataaaggt taaaaatcag cctttggttt 480
tggcaaatat gaagcttatc ggtagcctta gcgagaacaa ttccatcagg gagcagaagc 540
taactgcagt gggttgagtc atcaagcagg cataaggaag tagggatacc ccattataag 600
ctactctttc aagaagctca aatctgaagg ttaggagaat taggtcagta gctagaagga 660
aatgtggagt cgaggggctg tttttcctcc caaggagtat aaaggtgtaa cgttgcatga 720
aaccacttca gacaaaggcc gatatcaata gagaagttaa aacgcacgcc tcaagatttg 780
ggaaggcttg gggttgggct taaagaggta ggagcatatt tcctatccta ggacagagaa 840
taaagaagaa aggataggtt cccatggaga taaatttcta agtgttaaag aagaggctca 900
gaaaattcta gcatgatagg ctcacttttt tctttttcca tgaaggagat ggcaaagtca 960
actgacatga gaaaggtgac aatactgatg ggttgaagag cgatggacat ttgaaataac 1020
ttcttagacc agtagaggct ggagttcata aatcagaact ggctacaggt tatatatgtt 1080
ttttttttt tctccaacag cataagataa cagagcgaag tctgtagaaa tgaaagaaga 1140
gtcagatgag gatagctgga gctagtgcaa ggagggaagc accacggtgg gagccaggta 1200
ccccctggat ttataattca tactgaattc caacaacaga agggctctaa gcaggagagt 1260
gacagatttc agaagactga gacacatttg gtaaaaaaaa gtaggaggaa aacctgattc 1320
tggaattagg gcagccaata gacggcagta ttttcagaaa ggagggaatg gtcaacagtg 1380
actttctagt ctggagctca ggaggaagag gcaactctac ctgatggtat taagatcatg 1440
gaggtagctg agatcaccta gcttgtgtgt gtcaaatgag aaaagaagaa agaataggag 1500
aagttcccca ggaacacaga cattaagtgg ggctgtggtg acaacacaag aagagaggct 1560
tgcaaaggag cctgagcagc tgtcatgaga gaggtaggat ggtggactcg gagaagaggc 1620
agaagatgtt cttaaaggaa ggacactgct gccaagtagt cagccaattg gtgacaaaga 1680
aagaccctgt tgcgagaaaa aaagtcagtg aagtagtagg aacgatgaca gatgacactg 1740
ggttgaagac tgaggagaga gaagtgtaag agtggaagca gagggcagac cactcttctg 1800
agacactgaa gaggcatagt tagaaataaa ggggagtcgc cagaaaggaa tttgtggcta 1860
agcaagaggt tttctttaag actgaaatac ataagcatga tttaaatgct gctgggatgg 1920

agttcacaga cctggaagac agaagacaaa gcggatcatc aagatagtgg aatttactga 1980
aatgagagag gaaaatccca tccacaggaa atgcagacat gagggagggg ccagaaggac 2040
agtgaaaaca tcagcaactg gtcccccaac ttctgagtga atgtggagat ataatcaggt 2100
aaaggactgc atcatctccc tggttaatga tggagtcaga gaaaagagtg tcttatacag 2160
aagttgtgat atacttggcc gggcgcagtg gctcacgcct gtaatctaag cactttggga 2220
ggccaaggca ggcggatcac ctgaggtcag gagttcatga ctggcctggt caacatggca 2280
aaatcccacc tctactaaaa acaaaagcct gtaatcccag ctactaggga ggctgaggca 2340
ggagaatcgc ttgaacccag gaggcagagg ttgcagtgag ccaaggtcgc accactgtac 2400
tccagcctgg gcaacagagc tagactcagt ctcaaaaaaa aaaaaaaaag atgtatttat 2460
tctcactgta taaatttctg tgtaagaaat actctctcat atagaagtaa atttatatat 2520
aaaattatat agaaccacta taaaatactc aggtttataa aatttatata taaacttgtt 2580
gacatataaa attccatgta aatgactata aagtactctt atatgaaaag tatatgaatt 2640
aaattatata tcaacttact tttatattac agtatttttg ttatacagaa gtttatatag 2700
tgacaataaa tatttctcaa gaacgatttc acataataga agtataaatt atccatttcc 2760
aatagtgaaa aagaaaagca gttccacacc agtgacaggg ctacgaatct aagaggtaca 2820
aagacttcat tcttagagac actgaggtca gggcatggcc aacacatctg aagctgatag 2880
aattggcgct gggttggttg gagacggtac ggtattacta ttacaatggc agacgcttgg 2940
ccttgataac tagccaatca gggggaaaga ttctggtttc ctctgttatt atctgaacta 3000
gtgtgttccc aaagggttaa gatggtttat ggaaggcaca agatcagcaa accataaagg 3060
attagcacta agaaggaagg aagtagacca agtgttaatg gcgatgccat gtaagagcca 3120
ggtctgcgat gtatgttcta catggtttgg ggggtaaaaa aaatgtcagc ctccagagca 3180
cagggcttta agcctcaagt actgttaaca gtagagttta ctagtctaca gcaggaatta 3240
caaccagtaa ttctaaggcc aattactcag gcaagtttta ctagaacaag gaagctctgc 3300
ttcgaggtca aatcgatttc tgcatttata gaagcatcta gatgttctct gttcaaacaa 3360
tggggtaaaa tccccacaca ttttatttct gacagagtgt tccctatatt gcctggccag 3420
gagtgataac attgcttggc tattattaat aaaacattgc tgtggctggg cgcagtggct 3480
cacacctgta atcctggcac tttgggaggc tgaggcagga ggatcactta actccaggag 3540
tttgacagca gcctgggcaa catagcaaga tcccatctct ctaaaaaatt ttaaaattag 3600
ctgggtgtgg tggcagacac ctgtagtccc agctcctcag gaagctgagg tgggaggatc 3660
acttgagccc aagcaggttg aggctgcagc gtgctgtgac tgtgccactg cactccagcc 3720
tgcgcaacac actgagagag actctgtctc aaaaaaatac atcaaataaa aattaaaagc 3780
ccatttcttt cttttggtac attacagcca tgcacttcaa aggctagcac aattatttt 3840
ctgcagttct atatttagat tctagttaga agtaacctag gaccttcatg ttagaggtgt 3900
ctttggcaaa actgttatgt gagtgaaacg tttaatcaat tgaggataaa gatgcctcat 3960
tgctaatgaa gatgtggttt aaggatttta tgcacccagt tcatttatta acaacttgtt 4020
taagctttat tagctgggtc tctactttat aactgtgttc tttaatttac aagacaataa 4080
aaattaaaat ggtaaatggg aaacctatct tgcttttcaa taaataattt attttaataa 4140
cttcgtgggc atggtggcca aaacatttta gctgtgaaaa taatttcaat tcatattttt 4200
ttggaatcaa tattaaaagg tgatatattc tcaaatgaaa agtggacaaa tgatcagtta 4260
taggacatga ttaagaaact aaccatgagc cacgtgcagt ggctcatgcc tgtaatccca 4320
gcactctggg aggccgcggt gagcggattg cttgagccca ggagttcaag accaggctgg 4380
gcaacatggc aaaaacccgg ctctactaaa aatgcaaaaa aaaaaaaaaa aaaaaaaatt 4440
tagctgggtt ttggtggctt atgcctgcag tcccagctac tcgggaggct gactcgggag 4500
gctgaggcac aagaatcatt tgaacccagg aggcagaggt tgcaatgagc tgagaataca 4560
ccactgcact ccagcctggg caacagagag agagagactc agtctcaaaa aacaaacaaa 4620
caaacaaaca aaccgctgcc ctgtgcttgg agagatctgt ttacctttac cactaaagac 4680
tgttggaagt aaattttaga aggtttataa tacctaaaag taatcacttc tgtcttatga 4740
aaggttctgc tgagattttt ctattgtggc cactagtggc aatattccag aagtcatatt 4800
taaagaatat ctttagtgga ttcagcagtt tttcaaatat gtacttttat ctctccaaca 4860
ttcatgattg caatttttca aattaacctc atgatataaa caactgtact ctatgatgcc 4920
tcatagtaca gaaactggag gcagaaagag aagttgaatg tctaagaatc ggtaattcta 4980
aaactcaaca tagaccattc agcattagtg gttctaacaa tcccactgca aaatgagttg 5040
ataatgtgta acactttagt gaactaaagc ataaagaacc atggtctcct aatgcagcaa 5100
attaaaacac atgatagcta caattaatga agtacatagt cctggctggg cactatggta 5160
cgtcctttac atagattatc tcttaaatta ttaaccccgt tttagagatg agaacattcg 5220
ggctcaggaa ggttatgtaa gttatataaa aatcacaaaa taagagacag agctaagatt 5280
tgaatccaag tgtgaccagg ttcatatcaa gcttccattt ttgaatttat attagaggtc 5340
aataactcac ctttgtcctt ttaaaataat ttttggctct gtgacctaca caggcaagct 5400
gttatttaca aacaacccac acatctagat ggtcactgtc tcaccgccca cttttaccat 5460
caggactcct agtgagctgt caaggggaat gctataattt tggaggttct aaatctgagg 5520
gcttaagaaa gaaagaaatt gtaaaaagca ggcattactc aggggcatag attgtcaggc 5580
agatctgtca tgcttatagg taacctccca gggccaaaaa tatatgtgcc caaactgcct 5640
aaatatttcc tgtcacttca taatactgcc tgaaatcctg ccaaattaga acttcatttg 5700

tgttgcttgt caatttttaa cgcataagca aatcacctgg agatcttgtt aaaatgcaaa 5760
ttctgattag gttaggtctg ggtctgcatg tctgatatgc ttccagaggg cactgatgct 5820
gctggtccat ggaccacact taaagaagca aaaaagatgt ctgatattta ctctctggct 5880
gcctaggagt gcttctcatt taagtgagat ctctttgtgc atcataatgg gagggatgag 5940
ctgaaaagca gcaaattaag agtgagttaa gtgtctacct cacttcccta ctatctgtaa 6000
caagcaggtt tgggcactgt ggtcaaccag aaaattcttt ccaggaccac aacccttgag 6060
attatgttgc aaagatgcaa ggacaactta gaaataattt ccagcactgg tggcactgga 6120
tgtctgtcag tggtgctggt ggcagggtcc tattcagact gtggtttacc tgcctggccc 6180
gtttggttat gggccatttt ctgagtacca tggagcatcg cccagctgac aagggcttgt 6240
actccaccct tggtgcgcag aagggaagct tggctgctac taagtttggt gcaaagtaat 6300
tgtggttttg ccattaatat ttgatacagt gagtccctac tttcctcagg tgaaactaga 6360
acttaagggg acacgctcaa gttctcatta tacagtacta agtttcaaaa atcagcaatt 6420
ttatcaaaca catgctctac agcagtggtc ggcaaacttt ttctgtaagg ggccagagag 6480
taaatgtttt agagtttctg ggccacatat ggtttctgtt ccagctataa actctgccac 6540
tgtagggcaa aagcaaccct ccacaataca tacatgaata ggtgtgttcc aaaaaaactt 6600
tatttgtgga ccctgaaatt tgaatttcat aaacttttca tgtgtcatga aatattcttt 6660
tgatttttc ccaacctttt aaagatgtaa caaccatttt tagcctgtag gccatataga 6720
aacaggcagt gggctgggtt tgctgaccct tgctctgaag caatgatatc tcgatccaat 6780
ttatacccac aaatttttct ccttgaaacc atgcatttaa ttctcatctc ttcttaccat 6840
gacaataaga agttattcta tataacaaag agattgtacc cacccaagcc agcatttaga 6900
tcatgtcatt tgcttcctca aaattttggt ctttataaaa atcaattaaa gcaccttaaa 6960
aggtaagcag tgatgaaata tttgaaataa ttggctaatt aaacatcacc taaatagaaa 7020
ctgtgataag aaccacaaat gcgaaaagga atcatgtagt aactaatgtg gaggatatct 7080
tggtttagag atttgatgaa cacgagtttt gatttaaaaa aatttgtgca atactcactg 7140
ctttggtggg gagcttgcta tgcaagttgg tagaaaaatt tatcctaaag tcacagttct 7200
ctaccactct ggattttctc gagctaacta ccattccaaa ctattttagg cacagttact 7260
agtttcaaga atcaggcaaa ttgccctggt attagcactg ttctttctgt ggtcacaagt 7320
caaactactg tggtgaataa aattagatga tttctttagt ctttcctttt tcagcccctg 7380
tagtcaattt ccagtgctcc attcaaagaa aaaccaaaaa tgtccagaat ataaccttat 7440
tttaaaactt gttaaccact gatttcactt gttaaccaaa ttttttttt ttttttttg 7500
agaatgaatc tcactctgtc accaggctgg agtgcagtgg catgatcttg gttcactgca 7560
acctccgcct cctgggtact ggttcaagca attctcctgc ctcagtctcc cgagtagctg 7620
ggattacagg tgtgcacccc cacacccagc taatttttt gtacttttag tagagatggg 7680
gtttcaccat gttggccggg ctagtcttaa actcctgacc tcgtgatccg cccgcctcgg 7740
cctcccaaag tgctgggatt gcaggcatga accactgcgc ccagcctgtt aaccaaattt 7800
ctaatcacac acacttgagg cccagtaaat gcctgctgaa aagagggtgc tggtggtgag 7860
gcaactgagg ggctaacata ctgatagctg ctgaaatctt ctacagctct ttcttgttag 7920
aacactccat cacggctccc aggcccacac cacatgaagg aacttctagc tctcttgctt 7980
gctctttacc caaatgtagt tagcaagtcc tgggaactaa acagcattga cacacttgaa 8040
gaagacaatt aggcaaatcc caactgctgt gctcctgcag ctaaagatga agactcgtcc 8100
attgggcagt tgattaattg tacctagaaa attaatttca atggtcccat gacaacatac 8160
gggcagtgaa gctctagtgt tccccctggg tggaatcttc caggatgtat agtctcccat 8220
accagctcat cctcccattt ttccagattc tggttcttct ctcttaccta gtgtgtagtg 8280
ggccaaatgg tggtccccca aaaagatatg tccatgtgtt aaccctggaa actgtggatg 8340
taaccttatt tggaaaaatg gggccaggtg cagtggtgtg catgtgtagt cccagaactt 8400
tgagaagcca aggtgggaga atcgttggag cccaggagtt caagaacagc ccaggcaaca 8460
tattgagacc cccgtctcta taagcaataa aaaattagct aggtgtggtg gcatgcacct 8520
gaagttccag ctacttgaga ggctgaggca gaaggactgc tcaagcccaa ggagttcaag 8580
gctgcagtga gctatgatca tgtcacccca ctccagcctg ggtgacagag tcagactccc 8640
tgtctcagga gaaaagaaaa aaaggtcttt gtaaatgtaa taaagaatct tgagataaga 8700
tcatcctgat ttaggatgga ccctaaatcc aatgacattt gtccttacaa aagaaaggta 8760
gagggaactg tgagacagac acagagggga gggccttgtg aagcaggaag catagatgca 8820
gttacaagtc aaggaatgcc aaggactgtc tacaaccaga agccaggaga gatgcatggg 8880
atgatttctc cctcacagcc tccagaactt ctggcctcca ggactgtgaa gaatcaattt 8940
ctgttgtttt aagccaccaa gtttgtgtgt catttgttat ggcaatggca gtattaggac 9000
tctaatacac agtataaaaa aataaaaata gggccaggcg tggtggctca gacctataac 9060
cccagcactt tgggaggcta aggcggggag atcacttgag gtcaggagtt tgagaccaac 9120
caggccaaca tggtgaaacc ccatctctat taaaaataaa aattagttgg gcatggtggt 9180
gtgcatctgt aatcccagtt actcaggagg ctgaggcaga agaatcgctt gaacccagga 9240
agtggaggtt gtagtgaatg ccactgcact ccagcctggg tgacagagct agactccttc 9300
atcctaggac acagccaagt cttacgtagc aaaaagaagt tgttaaaggt ctgtagttct 9360
gcattaagca acacaggcat gtacctatga attatatgat tataaaagtg ctcggacagg 9420
cccatttcaa acttggcctc tttccaccaa ctgtgtactg tttctcattc cataactaga 9480

gattatgtct ttatatcctg tcaaaaaagt gaatttttgt gggctaagac attatccctg 9540
tgttaaatgc accagtctta gtgtaaacaa gcctagttcc tttttcattt tggctgtcta 9600
gtatgcattt gtatatgcta ggcagtgtac taggcacctt aaatacatta ccttgtttaa 9660
cctctacagg attctgggag gtaggcatta tccccatttt atagatgaga acactgagaa 9720
gacaatgttc ataagtgcgt cacttgtctg agatgacata tttactaagt agcagaacca 9780
ggcctcgagc tactcagtct gatttccaaa gcccctgctc ttaatcacat caacttcttt 9840
cctatatcac ctttcccaga gtgcgctctc atggataaag agcagaagta taagttacta 9900
ggcagcagaa aactgtagag gtgggaagat tagataaaaa atgtaaataa gaaggcttta 9960
agacaccaaa atcaaatgta aatactttat aacctgaatc agtgcttgtg ttcatgaggc 10020
tagaggtcgt gcattttatc tctaggtctg gtgatgccaa tcctgatcta cagccagcag 10080
caacagttcc ctagcctgcc tagaagtttg taaatgcatg ggctttggta ggaggaagac 10140
gagagaaagc agaacagatt attacaaacc cagtgcattc ccccttgatg ggtcaacagc 10200
gatttctttg taagtgaagg acagcacact ggttttgatg actcacgaga gagtaggagg 10260
gaaaaagaag tctgaggcat tgcctggaag cctcgctctg cttaaacaag tacactaatg 10320
gctcatgcct gttactccca gcactttgga aggccaagat gggtggatca cttgaggcca 10380
ggagtttaag cccagcctgg tcaacatagc gagacctttt ctctattaaa aataaagaag 10440
aaagaaagta ataatgattc aagttctcat tctctacaaa attcacttat gactttccaa 10500
atgctagtga aaacttttag gtattgcaaa actgccttaa tgcataacgg gattctcatt 10560
ttacttagtc taagatgact ttttcacttt gaacttctgc atctttatga tcgcttagct 10620
ttctgacaag caatttcagt aagtgtttat caatttgcat ccacacgctg acacataggg 10680
gtctacttac atatccttca tgtaattgag cttttgtaaa tcatctttct acatggtaca 10740
cttctgattt tgtgtgcagc tttcttgttt aagcactgta ttaaatgctc tgcttcctac 10800
acccttagga acaatgagaa taaaagcgta atgttggtta cttcttcata tcaaaggaag 10860
ttcatctcct ggttattaaa agctattatt aaatggccat ctttttgtgc ccctgtgtta 10920
agcactctac caagatacca ttaaatagat aagggccaca ctccatagag atgatggttc 10980
tatattctgt attttctggg ggagttctaa tttcatgcaa ttccttcttc ttaaataaag 11040
gcaattctct aaatatatta cctaatgtgc tttcactttc atattcttgt aagatttttc 11100
acataaatca attctcaaaa aatagtatca taggcctttt aaaaatagtc atgttcaaaa 11160
gtcaggctca tgaataaatg tgtgcattca ttacatatat tttcataaat tcaaatttaa 11220
aagaataaga gtagctagaa ggtggaagaa aaatcttatt ctgattagga atgcacaatc 11280
acaagaaaat ttgtgatata tatagtcatt ttattctgta ttgttttatt ttgattttgg 11340
taagacaaga aacaatgtag aaagtttgac aacttaaaaa agtaatatga gtgtgagaaa 11400
gtcctcttcc aggattagca aaaaaatggt ttttttttct ttttttccg agatggagtc 11460
tcgctctctc gcccaggctg gagtgcagtg gcgcaatctt ggctcactgc aacctccgcc 11520
tcccgggttc aggtgattct cttgcctcag cctcccaagt agctgggact acaggcatgt 11580
gccaccatgc ccggctaatt ttttttattt ttagtagaga cggggtttca ccatgctggc 11640
caggctggtc ttgaactcct gaccttgtga tctgcccgcc ttagcctccc aaagtgctgg 11700
gattacaggc gtgagccacc gtacccagcc taaatggcca agttttatta tggacaatta 11760
agctgtagaa taaaaatcta cttttaatag ctggcatagt gcctagtggt tttgaagcca 11820
caagcaggtt tacaaaaaac atttaaatcc atctgaatct acagaaaact aagattacct 11880
aagcagaaaa tgaaaatagt tcaggattaa ggaagattaa caaatgaaga gtatatgtat 11940
tttagaagta ttactttata tttttatagt ataataataa tatttacgtt cctacactta 12000
taatgagttt cgtatatata ttaaaataat ttaatggatt agtatgttta tatttgcttt 12060
tagtaaattt ggtgtatgat aaactcagtt gtctacattg tgagactaca cctgaggcaa 12120
tttctgtgtt gatatatacc tgaatagcag atattacttg ggagcaaata aaatagcttc 12180
aggcctaatt ttgcaagttc atgatgggag agtaagcatg acttcaaaga actgactttg 12240
agttaaaact tgaagaatga atgtgacaac agcaagtata aaacaatgcc aggcagaggt 12300
gggactgttc atgggtatca gggtaagtgt gttgataaat gctcaaagta ggaaatacct 12360
ttcttccccc acacatgtca gaaaataact gcaatagaat gcaacgacat ctcagagata 12420
aagtgttcaa cttagctctc agagaccgtt cagttacatt ttgtaatgac attggaattg 12480
attgcatttt gaaggcaatt ctaaatgcaa agtcttcatt ttgttgatag aagctgggtt 12540
atttattatg aaatttcaaa aattaagtaa aatatctaat taggattata ccagcaaagg 12600
caaatttaga attcaagact tcatgatcca tggtaagatt attttaatgc aactctgcta 12660
attaactgaa atttccttta actctcacat ctgcctttta cttcttaaga catttttcta 12720
gtatttcacc agagcaagat atcagaaggg taaatctctt accaatgaac tttgctaatt 12780
cttagtgact ccgttgaccc tggtgtaagg atcaggaaca aagtgaatga aatacatttt 12840
aatacatttc tgctttctct aattccaaag accactctaa agaataagtt atttgtgggt 12900
attatctgaa acttgggatt aaaagagacc gtgattaccc ttcagggatt ttggcaaaac 12960
ttaagccatt tcatctgaag agcaaagcaa gcctcccaca ctcttggctt attctcacaa 13020
ttatctagat atctagcaac aaaactcttg agtagtttgt taactacaga tgccaagggc 13080
tgacagtttc actttcagtt ttcagaatat cttttgtttc agtggtgtaa gcacaccatc 13140
agaatctcta ctatttaaaa taattaagtt ataattgtaa cttccattag atgtagtact 13200
taaaggaatc tagaagacac aactcattaa ttataggaat ttgactgcaa attcttctgg 13260

ggggtctgaa ttgcaaagga ggcatctttg taagtcagac tcaactcatt actctgtgat 13320
gcaggctcct ccaaatggca gcagaaacgt attactctct agaaacacta cagtagtgct 13380
acaatttcag ggttctgtag agataaggac aaattgacag aaacacattc ttagaaggac 13440
agtatcattt aaaataaaaa tactgtcata attgtacacc aggatagctt ctccataata 13500
aattctttat gattttctga tttttagaaa tcagaattga acttttaat gtgaaaaaaa 13560
tgagagaatt gtttcaaaat aggaccacat ttctgtgtat aattttaaaa gtttaaaaat 13620
atttgattag tagactgata aactgaaaca tttttgataa gcttttcatt acatacaaac 13680
catataattt gtaaaaaatt ggaaattatt caaaacttca cataactaaa gtgaccaaat 13740
aaatactgga gaggaaagaa aaggagtcaa atgaatctag cattttcttt ttttttttt 13800
ttttggagaa agggtctcac tgtgccaccc aggtgggagt gcaatggcac gatcatggct 13860
cactgcagcc tcaactttat gggcttaggt gatcctccca cctcggcctc ccaagtagca 13920
gggactacag gcatgcgcca acacgtccag ctaatttttt tggtattttt tgcagagacg 13980
aggtttcacc aggttgccgt ggctgatctg gaactcctgg tctcaagtga tctacccaac 14040
tcagcctccc aaagtgctgg gattacaggc gtgagccacc gcacccggcc taatctagca 14100
ttttctaaaa ggaaggaccc agcagtgaac ggcaatatca ataatcatgt tcaagactat 14160
cagacatgca agctggggat gaatgggtgg aaggggaaaa tgatgaataa atgatgaaca 14220
caagtataga cccagtggat ttgagatgcc caagatgcca gtgagatatt caaagtttaa 14280
ctcaaaagcc acttcccata tgaaatcctg acaaacactc ctacgtccaa ctggaattaa 14340
tttctcttct gggctcccac agcactctgt atttttctaa tagcataaca ctattttgtt 14400
tgtagatatt tctctgatag cattactatc tttcctcttt atcacaactg tttgaagttc 14460
ttttgcctct tgcatccact gttgcccaat cccactgctg gaaggctcat cttattaagt 14520
tctgtattcc tagtgctaac acactgtcta ccatagatga tgttcaataa atggttgcta 14580
aatgaattct cttgtgataa tagcactatg gcaacataat cgacggtaaa aatttcttct 14640
caatgtttac ttttagcaga atgcattcat ttatcaactt tcattgagaa tatgctaatt 14700
tccatgaccc tgctaggaaa taggaaaata aagatgaatg taataaggtg ctcattctac 14760
tgaaagtctt gactagtgga gaattatgga tccaactttt catgaaatgc cttcagtggt 14820
aagaattctc atatttggaa taaaaaatgt tatgggttgt gccaagatac ctacatactt 14880
cataattttg tagagggctg tccttactgc agaaatgtat actactatag tcatatgtgg 14940
aaattctttt tatgatgcta actgcatgct aaccagactt tttaatttaa tacttgcatt 15000
aaataaacca tgctaggaat ccaggaatct agcttggttt attttccata caatgtactc 15060
tttgtaatat gcatatacta cataaaaatt ctattaatgg cctcgtacta aagatgtgtc 15120
tgttggggaa tcagttattc tgtataattt tatcttaatt gatatattaa aatctaccaa 15180
aaatataaac tccgagtaaa agtatctgca tggtgtgcat atgtttatta ttttaagtgt 15240
cagcgtatac attttcatgc cataaagtta taaaatgaaa aaatagtagc cttttatatt 15300
aagttcatgc ttatgtagtt agtaaaaaca agaaagcaat taacatacaa accatgatgg 15360
tggttaaact tgcttcagtt tgtgtttttt aaaatttgaa agtgagaaat acagctcgaa 15420
gtcagctcat attttcagta agtactgatg aggatgtact ggccctattg actacgctga 15480
ccccattaaa atatttgtga gtctaaaggt tcatatgacg ctgttccttc actctagcaa 15540
caggccatac atgtcttaca tagggactct gttcaattca ttaatacctc ctgaagtgct 15600
caacatcgtg gttcatttat agtagatact caatacatac tccattaact gaattctaag 15660
ataaactgtc tgttactgac agaaattttc acttaaggga gtctccgtgg ctgaaggcaa 15720
ttttgaaatc ctgtaaaaga acccactcct ctccccaagt aatgaagttt gtcagtttca 15780
agcctgtaat aaggtactga cttaaaatta attttctaat aatacagtac tgctatgtat 15840
ctaatgtggg gttagtcaat gataggaaaa aaacataaga cagagtcaca tttaaaaatg 15900
tgtgcttagg tgcatggtga cacctgcctg tagtccagct attccagggg ctgaggcagg 15960
aagatccctt gagctcacga gtttgaggct gcagtaagcc actgcactca gcctgggcaa 16020
cagagtgaga ccctgtctct aaaaaaaatt cgttttaagt gtgctcagga cataacagga 16080
gccgctggta acatgccatt tccactgtga atatggtaag gacagaatcc ctgtctctag 16140
gccctcttcc actagtcaat ctcatcatca ccatcaaggc caacattggt attctctcct 16200
ctgagacaaa gtctttgaca ttttctatac tatactatgt cttcctctcc ccaaatgcat 16260
atacaaataa aatttgaatg cttctttctc catttagtgt aatttttttt ataacataga 16320
cccaattttc aaaccccaca atggtggatt ttatttgatg tattgtaaaa agcgctggat 16380
tgaagtcaaa tggcttggga gacctaaatt ctactcctgc ctgtaccatg aaagagacaa 16440
atcccaaggc tttgcagggc ttcagcttcc ttgtttgtag aataaagaat tataaaatca 16500
tctcttttgg tcctactggg caataaaaag ctatgattct aagcctgttc ccttttctca 16560
cctaagaata caaatttgat acaaagaggc cgcagaatgt gtcaaacact ccctgttgcc 16620
tggaattctc tcttcctttg ggttcaggga taaaggtatg ttatttctta agtctccctt 16680
tgctttcttc tgcttgcctc gtaaatattt ttccatcttg gcagtcctac atgtcttctc 16740
actctacatg ttttccctag gtgatgtgac ccagcctgtg gcttccactg ccatccacac 16800
acgtcgctgc ctctctccac atcagcatcg caactatctc ctggaagctt tccaagtgct 16860
gaactacagt aacctcaacc gaactgctgt tcattcaccc cacaggcttg cccctcctct 16920
gcatctttgt gagaacctga gagtcatcct aaactcctcc ttccacctca ctccccacat 16980
caaatcgatt accaacttgt gctgatttta tcttcaaata ctctccagaa ttgtcgctgt 17040

catggactga atatttgtgt tcccccaaat tcatatgtcc taatccctga tgtgactgta 17100
tttagagacg tgacctctaa ggagtaatta aggttcagtg aggtcaaagg tggagccctg 17160
atctgatagg atcagtgtcc ttataagaag agactagagc tgggcacagg ggctcacacc 17220
tgtaatccca gtattttggg aggctgaggt gggaagatca ctcaaggaga ggagtctgag 17280
accagcctgg gcaacagagt gagactccat ctctacaaga aaataaaata gtcagacaca 17340
gtggtacaca cctgtggtcc cagctcctca ggaggctgag gcaggaggat ggcttgagcc 17400
caggaatttg aggctgcagc aagctatgat cacacctctg cactccagcc tgggtgacag 17460
catgagaccc agtctcttta aaaaaaaaaa aaaaaaaggc catatatagc ccagaagagc 17520
gtcctcacca aaacccaatc ctgatagcac ctggaggact tccagcctcc agagctgtga 17580
gaaaatttct gttgcttgca ccgcccagtc tgtggtattt tgctgtggca gcccaagctg 17640
actcatcagt gaccttctct ctgttaccgc agagtagctc atcatcctct cttccctaga 17700
gtccagccac tctctcacat ctacctacct agcagtatca ctgtgggtta gagtcagatc 17760
actgcggatt aagtcctcat tctgccactg cctgtgtaaa tctgagcaag ttacttaatc 17820
tctctgtgtg tcagtaacct ccctgtgaaa tgaggctaat aatagcaggg ttgtttcaac 17880
aaggcgatac atgcataatg cttacaacac agcttggcac attataagca ttcaacgaaa 17940
agtgagctac tattatctca tccgttatca gaataaacca cctaagccac aaggctgccc 18000
acatcatcct catgttttaa aacacttcag tgggctcccc accatcaaca ggataaagtc 18060
caagcttcct tagcatttct tagaggctcc atatgaatcc ccaagttcca ctacaggaac 18120
acaggtgaac tttccactcc aacctcaggc tccttcgtgt cactcctcat ccacatggag 18180
gtaagcagca agagactccg tgcagttcct ggtggttccc tgaccctcag gcagactctc 18240
cccagccctc tgcctgcaac gtccttgccc tttgcttccc ttggccagct cccattcatt 18300
ctccttgatt ctgcttggaa gtttccctct caggaaggct ttatgaacct tagtgtaggt 18360
tatgaaccca tctttgctcc tttcatacct tttgcaagcc tttatttatt atgacactta 18420
accattatca tactgaagtg acctgttggt gtgtctttgt tccccactag acagaaaact 18480
caagatcaga gaccagttct tgttcttttt ttttttttct ttttttttct ttgtatcaca 18540
gtgtttagca gcctgctata tggtaaatgt cagtaaatgt tccacaaact gaatggaatt 18600
gagctctgga atctagacca tcttttccat acccatcact cctgtcttag ttgaagtcct 18660
tatttcccat ttgaagcaat gcaaaggatt tcctaactct aatctctctt ttcttcacac 18720
catcctttaa acagccgaca gaatggtcat cctaaagcac atatatccta tcttacatat 18780
cctagattcg gaacctctct gggcttctca ccatataaga agaaagtcta acctccttag 18840
caaggtgcat aggtcttcaa tgggctccac ctcacttctc tatatatacc tatactcttg 18900
ctacactaaa cttctttctt actgttgctg gaacaagttc aacgctttca aacctccctg 18960
actttgcata tgcagttcat tctgtcagga atgcccttct ctcttatgcc tgggatattc 19020
tcattcattc catatgacct atttcataag tcactcctta atgaagcctt tcttagatat 19080
ccactggggc aatcagctgc ttgctcctgt ttccacagca cattgttcac acagatagca 19140
caggacttac cacaagttat tataattttg tctgtcttgc ccatttgaat ccaagggcaa 19200
ggacggaatc attctcatct ttgtatgtcc tgggaactag aactgtacct gagacataat 19260
aaacacttga tatgtttgta atttttaaat aagttaatga acggaatggc tagaaaaagt 19320
gagaagaaac tctggcttac tgtatatcat actgtcatac taaaaatata tactgaagac 19380
agaatcacat tatatcatca cttttcacgc tataggccat gatccattat gaaaaagagg 19440
atagtaaaaa aatcacaggg cacaattttt gtttctgtca cacacatgtg tacctgtata 19500
ttggactgga atgtaaaacg catgttccat tgtagaacgt ggttttaaaa gaggcttgga 19560
aaacactgca tatggtcatt tcttagttta gtacaattta ttattttcgt aataacctca 19620
gctataatat aagtctacca tgaagcattt tggggagatt aaatgagatg tgaaaagtaa 19680
atgtgttaga tagactgaat tcatatcata gcttgctctg atactttaca aaacatttaa 19740
ccttacccac aagttttagt ttcctcacta aagtcaccct gaggacagta atgggatctt 19800
cctcacagag tattgtgagg aatacataag agaacgtacg taaatgcctg gcacttagta 19860
tttattcaat aaatcttagc aatgatgatg ataacaacat ggtacctggc acataagaga 19920
gttaaaaatt agtttcttca gtcaaatgtg cttacattga tagttgatac taactggggt 19980
taaaaggtca ttgctggcat ctcagaaaga tagattacag tgaaataaaa aatgactact 20040
gcttaaaatg aatgaagact tatttacaaa gtcatgttca tctggtacaa taatgaagtc 20100
gctcaattgg gagaaaatga caaataatac aagtgaatat acaatcttac ttaagacgaa 20160
agaaatagga caccaggcta actatcagtc tcctaaacca caactttatt tctgatacaa 20220
agagacagtg agacaatcag ggcttccctc aaataaatta cttaatctct cttcaattca 20280
gttttgcatc tgtaaatata aataactaca atttcacagt atttccattt aaaaagttct 20340
agtgcaacat cagaaacaag aacttagtag gtgttcaaaa agaaatataa gttctgcttt 20400
gttagccagc aaatagttgc ctgtttctag ccctcacttc ttttctccta aatccctata 20460
ttgcatttat ttaacttaaa gtgctggatg tggcactacg agaaagaaaa agatatttgg 20520
taatcttgtt aaaatcatta gacatcccag gctatctgga atcaccttgg gctcacagtt 20580
agacatcagc tatggcttgt tttatttaaa aattcatcca ctgatgcatg ataatggaat 20640
tcacaggaga gcaatttacc aaaaaaaaga aatttattga tttataatgt gagatattaa 20700
tttagccaca aatatttatt gagcatctcc tacatgccag ggaatggact atatatggca 20760
ggaaaacaga taccaatcat ttatatcagg catttttttc taatagaagg atattcgcag 20820

gagacaatgc atagcaccat gccttgcacg taacagacat ttaataacta ttagttgaat 20880
aaaattggag actagaatga tacataaaga ggcaagaaag agcaaagata agcctttctg 20940
agaatttcta tcatgttttg ctcaatagct tgtctttatc cactgcttgt atttttccat 21000
gtagctaatc ctcattggtc gttagaattg agacaccctt tccttgaaat caggagctat 21060
aggaggccat tcttcctact gggcattttc tttctgggac agggtctcac tctgtcacct 21120
aggctggagt gcatcatagc tcactataac cttgaagtcc tgggctcaag gaatcctctt 21180
gccaaagagg tgggattaca ggcatgagtc accatgccag cctatttggc atttctactg 21240
tagacaaagc agacttacag cagtaggtct acctgcctaa tacaaaaaga aaaaaaagaa 21300
ttttaacaaa caaatgaggg aatcagatcc agaaagtgat tcttataact tagattactt 21360
agagtagatc tataatctgc tctagatcca ctgcatacag tgggcccttc ttatcatatt 21420
ccataaatag cacttttctc agcccagctt ttgatgatag ctgaacagac taacagtttg 21480
tctaacaaag gctagagaag gggatagcaa ataatggccc acaggctgaa tcctgcctgc 21540
tgctcatttt tgcaaagttt tattagaata cggtcatttc cactcatttt cacactgtca 21600
atggctgctt ttgcgctaca gcagcagagc tgggtggttg gggcaggggt cacatggcta 21660
acaaagacta aaatacttat catctgacct tttacagaaa gtttgctgat ccttggagtg 21720
tacaagtatt ctatattgtt gattaagaac agaaccacaa gtattagaag ttagaccagc 21780
aggtggtaaa gctgatcatc tactaatata atggaaattg gggttcccaa tcaggactct 21840
tgctttgata gaaggccatc ttaacgagga gggagacacc tgcaggcaaa gtcagaattt 21900
tctgcaggaa aagttttgag tccatttccc cttgtgaaca agtgctcagc tatgcatttc 21960
atctttagta accatgcttc tatacctggt tctccttggc aaagatttct ttcttcagta 22020
agtctcaaga ctttctggga aggtagggag atatgggggt aaaagtgtcc caggacttac 22080
tgaaggaagt gttttatgat tatctgatag aatcactgta tcatggtaga gaaggcaaac 22140
agaatataat ctgaaaatag aggtgagggt gaacaaatgg gcactaaaag tgaactcagc 22200
atcaggaagg tagcaaaaca agacatcagt caaagatatg gggtgattca gacctaagga 22260
agatttaatg tgggatgttt ccgtgtgcca ggagctggac acttaagcaa gaggagatcc 22320
aggaatgttg ctaaaaccat ggcctccata ctttattgga attagcacaa cttatccttg 22380
tttctttcat tttgcaatca aaatctttaa aaacacatta tttaaaaata cattatttta 22440
aaagctagaa tgaaaattat gatatcattt aggtggttta aaaaacatcc accagccggg 22500
cgtggtggct catgcctgta atcccagcac tttgggagtc cgaggcgggc agatcacgag 22560
gtcaggagat tgagaccatc ctggctgaca cggtgaaacc ccgtctccac taaaaataca 22620
aaaaattaac cgggcgtggt ggcgggtgcc tgtggtccca gctactcggg aggctgaggc 22680
cggagaatgg catgaacccg ggaggtggag gttgcagtga gctgagatcg tgccactgca 22740
ctccagcctg ggtgacagag caagactcca tctaaaaaaa aaaaacaaaa accatccacc 22800
aaaatgggaa gaagtgatga aaaattacag tccaagaaga agggccatag ctgtttaaat 22860
caattggtat atttgttatc taatataacc ccacgtaacg acaggtattt aacaaatgtt 22920
tctgctgaat ttgacgattc catttccctt acatcccata tgcaatccat cagcacccca 22980
catccaaccc atcagtacat cctgtcagca ttggctccca aatataacct aaatctaaca 23040
catatcctac tatctctgct gctacaactt tagtctgaaa tctcataatc tcccacttgt 23100
actactgtag atgactctga atgagtcttc ttgcttccat tccacacagc atccatactg 23160
atctattttt tttttcaatt ttttgtagag acggggtctt gccatgttgc ccaggctggt 23220
cttgaactcc tggcttcaag ggatcctccc acctcaacct cccaaagtga taggatttca 23280
agtatgagcc actgtgccta accctgactg atctttctaa gcataaatct aataatgccc 23340
cttccttgat taaacccttc aatgaattca cattaagcaa acaacctggc caggtgtgat 23400
ggttcatgcc tgtaatctca gcactttggg agaccaagat gggaggatca cttgaggcca 23460
ggagctcaac atcagcttag acaacatggt gaaactacat ctctacaaaa aatacaagaa 23520
ttagctgggc atggtggtgc acctatagtc ccagctactc gggcggctga gctgggagga 23580
tcacttgagc cctggaggtc aaggcagcag tgagctgtga ttatgccact acacttcagc 23640
ctggatgaag tgagacctgg tctccaaaaa aaaaaaaaaa aaaaaaaaga agcagggcaa 23700
ggtggctcac acctgtaatc ccatcacttt gggaggccaa ggcaggcctc ctggatcatg 23760
aggtcaagag atcgagacca tcctggccaa catggtgaaa ccccatctct actaaaaata 23820
caaaaattag ctgggcatgg tggcatgcac ctgtagtctc aggtacttgg gaggctgagg 23880
caggagaatt gcttgaaccc gggaggcgaa ggttgcagtg agccaagatt gcctggtgac 23940
agagcgagcg agactctgtc tcaaaaaaaa aaaaaaaaag aaagaaagaa agaaagaaag 24000
aaagaagaaa tccttagtcc tgtcttaact acttgagagg ctgagggagg aggatcactt 24060
gaacctagga atttgaggct ccagtgagct atgacagcac cacggtgctc tggtctggag 24120
agagtgagac cttgtctcta aagaagagaa aagaaaagaa tgaatgaatg aacaaaaaga 24180
aagaaggaaa ggaaaagaag agagagagag agagaggaag aaaggaagga aggaaacaaa 24240
ataaaataaa ataataaata aataaaccca aatccaactt ctttacccta atcaacaagg 24300
ctcaaataat ctcatgccaa ctaagtctct gaacagctcc ttccattcta ttgccagatt 24360
actccatctt tcagccacaa gacctttta tcttcctttt accagccaaa cacaatccta 24420
cctcagaaca tgtgcacttt ttcttttctc tgacttgaat ctcctccacc cattatataa 24480
tcttagctca aagaggcttt tcttgacaac ttagcgaaag tatttatccc agtcattctc 24540
tgctacatta ttccaattta ttttctccat agtacatttc agcacataaa gatttcctta 24600

gtatgtgctt gttgcctttc cccaacctcc taaaatgtca gcattccttg agggcagaga 24660
ctgtttcatt cctgtatcat cagcacctaa gacagttcct ggaacatacc aagtacttaa 24720
taaaaatttg tttattgact agctatgaca cattttactt atataatttc attttctcag 24780
caaaatgaac actttgaaat gtaattaatt actgattttt gcagtatttt ctaattattt 24840
aaataaaata tttactattt tggtcaacca gaattcttac attgttttag cacccagata 24900
gcttctaaaa atgcttacaa ttaacacaat tttatctagc aatatgtatt tatcactaga 24960
cagaatgcac tgaactcttc ttcattaata aaaagcaatc caggctgggt gcagtggttc 25020
acgcctgtaa tcctagcata gtggaaggcc gaggagggag gatcacttga taccaggaat 25080
tcgagaccag cctggccaac atggcaaaac cccatctcta taaaaaacac aaaaattagc 25140
tgggtataat agcagacatc tatagtccca gctactcagg aggctgagag gtgggaggac 25200
tgcttgaccc caggagattg aggttgcagt gagccgtgat tgtgtcactg cactccagcc 25260
tgggctacag aatgatacct catctaaaaa aaaaaaaaaa ttagccaggc atggtggcat 25320
gcacctgtag tcccagctac tcaggaggct aaggtgggag ggtcacctga gcctggaagg 25380
tagagactgc agtgagccct gggtagcccg cgccactgca ctccagccct gagtgacaga 25440
gacccagttt caaaaaaaca caaaaaacag aaaacaaaac aaacaaacaa aaaaacccaa 25500
tgcattgctg aaatgttaaa tccattataa agaaaagtac aggggtgggc atggtggttc 25560
atgcttgtaa tcccagcact ttgggaggcc aaggtgggca gatcacttaa ggtcaggaat 25620
tcaagaacag cctggctaac acagtgaaaa atgcaaaata caaaataagc cgggagtggt 25680
ggcgcatgcc tgtaatccca gctactcggg aggctgaggg gggagaatcg cttgaacctg 25740
ggaggtggag gttgcagtca gccaagatcg aactccagcc tgggtaacag agactccatc 25800
tcaaaaaaaa aaagtaaaaa gtatatagtt gattctgcag ggacttaaaa aagtataaat 25860
atctttttta acatcacaaa gctctgatat ctgcaggttt atgactaact actagctcac 25920
tcccatgaat acacgtatgt aaacaggctc tatacaatct acaatcccag actaagggga 25980
aaaaactgtc ctgtcactgt ggtctccaac ccttggccca tttctttcct cttgaccaca 26040
aaacttctca ggagttgctt gtttcctctt gatccactta tctttagccc actccaatct 26100
ggcatcggtt ctcagtactc tccactaaaa ctgcttttat gaaggccatc aatgacgttc 26160
atgctgccaa atccagcaga cacctcctgt tttctaattt tttttattgt tatttttaa 26220
gagactgggt cttgctctgt cacccaggct ggaatgcagt gatgccatca tagctcactg 26280
cagccttaac ctccctgagt tcaagagatc cttctacctc agctgggact acaggcatgc 26340
acagctatgc ctggctaatt actcaatctt taacatagct gataattccc tccttgaaac 26400
actctcaact tttaagaaac cctgttattt tcctcctaca tttttagcca gttcttctat 26460
cagcttctcc ttatctgacc tctaaatgtt aagaacatta acaaagactg aacctagttt 26520
ttttctcccc ttactgtact gctcctgggc gatgtcaatc agtcccattg ctttagatac 26580
tatctgttga aacactgaaa tcactggttt tttttgtttt ttttttttt ttttttttt 26640
ttgagatgga gtttcgctct gttgcccagg ctggagtgca gtggtgcaat ctcggctcac 26700
tgcaagttcc acctcctggg ctcaagcaat tttcctgcct cagtctcccg agtactggga 26760
ttacaggtgt gtgccaccat acccagctaa tttttctatt ttagtagaga tggggtttca 26820
ccatgtgtcc aggctggtct taaactcctg acctcaggtg atctgcccac cttggcctcc 26880
caaaggttgg gaaaagatat cccaatcttt ttcctatgat ttcttaattg atctacttga 26940
catatccact tggactttta ataggcatct caaacttaat gtgttcaaaa taaacctcgt 27000
gactttccct cccaaacctg tccctacctc cctcaataac taatattatc attcttatat 27060
tcatatattg aataaatgtt tgttccccca agtatttgtt gctataaatt tatgaagaat 27120
tcttttctca ctagttatta taattaaaat gtaatattta ttttctttaa aaactttact 27180
ttgtaggatt attatttttt aaacagggac caacaataaa taacttctct acttgattaa 27240
aactagggct tcctcttgtg ctccctcagg actatttctt tgtaaaaaca ataggctaaa 27300
tcagtactgg tgtcaaagaa atcataatct cacaacttta taaatacagc atgtggcaag 27360
ggattttccc atcttatata gtaataaaat tttcagctgt gccatggcta aaagtttacc 27420
atcaaagttg gaattttaaa ttagaggtag tcatctttct ttctttttaa agaaatggag 27480
tctcactatg ttgcccaggc tggagtgcag tggctatttg caggcatgac cacagcacgc 27540
tacagcatcc tggcctcaag caattctcct gcctcagctt gccaagtagc tgggactaca 27600
ggtccctgcc accacaccca gcagaaatat ttagctttct gaatttctca agtgtgtgta 27660
tgaatgagac tagtggggtc cttaaccaag attcacagga tttttagtga tttattaaat 27720
aacttggatt tgtatctacc agcatgttct ttgaggtaca ggtatgtctt ttatatctcc 27780
taatatagtt cattacaatg ctaaatacta agatgtgatg ctcacacact acagaatagc 27840
caagcaaatg aactacttat tctcataggg ctattataat taacaaattc ttgtatcacc 27900
ccatcattat caacaacaac atgataggat ttccttttat cttgaagagt ctggaaaaag 27960
ggtaacagag agatatttct gaggaacaaa ctggtaatga gggagctact gtgtccatta 28020
caatactcct tctagaagct caatacataa tgactaatct ctggaaaaaa gcaagtgtga 28080
gaatggaagg ctcttcttca aactatgcaa aatgaatcaa tcagcagtga acaaatttat 28140
gagccaaaca aattcctaca aaaattacca tcatatgctg tcatgcatgt ctgccagtct 28200
atttatcata ttatttaaga aacaaacatt tattgaagat ttatcatgtg ctcagcactg 28260
ccaaagagga aataaagagc ataatatcta ttcttagaaa ataacattaa cacaaataga 28320
aaacaagaaa ccataatgtt aaaaatatta catagtaaca cagaaagaca atgtataatt 28380

atacatacgc actaaagcaa agataacata atttataaat tatgaggtac agaatagtta 28440
gattctgaaa attaaaataa tcaggaaaaa cttcatgaag atgagatctg ggctggatcc 28500
caaaggatag gcaggtggat catgtagaac aggggaaagg agttcctgat cggggataca 28560
atatatgtaa aaactcggag acaggactga gcgtgaaatg ttaatgggac agtaaagaaa 28620
tcttcctctg cagcggggga aaaaacagaa taatgggaaa ctgcatggtt aaaaggtttg 28680
atgttaagat agtgcttgga cacaaaagat cttaaagttg agtcaaaaga gtacaatgaa 28740
agcattagaa atagaagata aaacacaatt aggccgggtg cagcggctca tgcctgtaat 28800
cccagcactt tgggaggcca aggtgggtag atcacttgag gtcaagagtt tgagaccagc 28860
ctggccaaca tggtgaaacc ccgtctctac taaaaataca gaaattagcc gtgaatgatg 28920
gctcgtgcct gtagtcccag ctatttggga ggctgaggca ggagactcgc ttgaatctgg 28980
gaggcggagg ttgcagtgag ccgacatcgc gccactgcac tccagcctgg gtgacagagc 29040
aagcctctgt ttaaaaaaaa acggtaaaaa taaataacat ttactattgt tttctgatga 29100
tatatatggc ctctaattgt aaagctgaat gcctagttta ccacttttct ttttttttg 29160
agacggagtc ttgctcttgt tgcccaggct ggagggcaat ggcacgatct tggctcacca 29220
caacctctgt ctcccaggtt taagcgattc tccagcctca gcctcccgag tagctgggat 29280
tacaggcatg tgccatcatg ctcagctaat tttgtatttt tagtagagat ggggtttctc 29340
catgttggtc aggctggtct caaactccca acctcaggtg atccacccgc ctcagcctcc 29400
caaagggctg ggattacagg cgtgaaccac cgcgcccggc ctatcattct tattttatgc 29460
attaggaaac taaggctcaa caagattaaa gctgtctagg gtcacaaaga ttgtaagtgg 29520
aggggctaga attcaaaatg agacctgctt gactcctaag cctgtaccat ttctactata 29580
tttagagtga agtagatggg ttgaagaaat atttaggagg tgaaatttca aaagtgtaca 29640
gtcagaagag aagacatata tggaaaccta aattttcaca cagtaaagtg tcaataataa 29700
aggcataatg ccaaaatgac agaggctgtg catggtggct catgcctgta atcccagcac 29760
tctgggaggc tgaggcagga agatcacttg agcccaggag tttgacacca acctggccaa 29820
cacagcgaaa ccccatctct actaaaaata caaaaaatta gctggtaatg gtggtacaca 29880
cctgtaatcc cagctactca ggaggctgag gcattagagt cacttgaacc tgggaggcag 29940
aggttgccat gagccaagat tgtgccactg cactctagcc tgggcaacag agtgagactc 30000
tgtctcaaaa aaaaaaaaag gaagactcga gggctagaac cctgaaattg ggaatgaaca 30060
ggactggctg aaaatgtttc ttgcacctga taaaaatctt gaagaagaat gctttaaata 30120
gataagaaag gagagagaga ggtgggcagt gagaggagac caccctaagt aatcagagat 30180
tacttacgtt ggttactcag gctggtctct gaatctgatt ataaatgaaa tagagattac 30240
ttaaaacaaa gggctgtaag gtagcactgt ccagcagcac tttctatgat ggaaatcttc 30300
tatatctgca ctgtccaata aggtgtagct gctagcacat gtggccactg agtacttaga 30360
atatagctac gacaaccgag aggctgaatt ttaaatttaa tttaatgaat tcaaacaaat 30420
ttatttttaa tacagcactt taaattttat ttttaaattt taatctatta tttatttaga 30480
gactgggtta tgagactggc taatttttgt atttttggta gagacggcgt ttcaccatgt 30540
tgcccaagtt agtctcaaac tcccgggctc aagtgatcca cctgccttgg cctccccgca 30600
aagtgctgag aatacaggtg tgagtcacca cgcccggcct aaacttaaat ttaaatagcc 30660
acgtgcgggt agtggctacc atactgcaca tgcaactgta agatgtagaa gtcagatgtg 30720
agcaaagaaa tgacaagccg ttcaatgctg ttagagaatg aaattcaagg ttccaatgat 30780
ctgaacttgt gtcccctcaa attcgtatgt tgaaatctta atcctcaatg caacagtatt 30840
aagaatttgg ggctttagga ggtaatttgg ttttgagggt ggagccctca tgaataggat 30900
gagcacctga ggtagcctct ttgacccttc caccatgtga ggacacacca cgaaggcacc 30960
atgttggaag cagagagtga gcactcccaa gacactgaat ctgccacatc ttgattttgg 31020
gcttctcagc ctacagaact gtgagcaata aatatctgct gtttataaat tatccagtgt 31080
aaagtatttt gttatagcag cctgaataga ctaagacaaa ggtggactaa ggcaggataa 31140
caggttagaa aaggaggcag ggccttttct ttttttttct ttttttgag acaaagcctc 31200
actctcaccc aggctggagt gcaatggcat gatcttggct cactgcaacc tccacctcca 31260
gggttcaagc aattctcctg tctcagcctc ccaagtagct gggattacag gtgtgcacca 31320
tcacacccag ctaatctttt gtatttttag tagagacggg gtttcactat gttggccagg 31380
ctagtcttga actcttgacc ttaaatgatc cacccgcctc ggcctcccaa agtgctggga 31440
ttacaggtgt gaaccatcgc gcctggccga ggcacagtgt ttttacagag aagcctgttt 31500
aaggtttaat catataaaat gtatgatatc cagtaagttt tgatataaaa aagaaacacc 31560
tggcgatttt atataatata ttgtgctaag gaattttaag cactctacat tctgctctct 31620
aagctctgta aagagcacca gggatttttt ttttttttct cttttgaac agggtcttgc 31680
tctgtcagcc aggctggagt gcagtggcac aatcttggct cactgcaacc tctgcctctc 31740
gggctcagcg attctcccac ctcagcctcc tgagtggttg ggaccacagg cgcatgccac 31800
tacatctggc taatttttg tagagatggg gttttgccat gttgcccagg ctggtcttta 31860
actcctgggc tcaagcgatc ctcccacctt ggcctaccac gcatgcctgg ccacaacagg 31920
gatttttaaa tgtaagacta cctagtcaac tcttattcta tattaacaat atagacaaga 31980
aataacctct aagtaatctc tatttcattt ataatcagat tcagaggttc tcttatgctt 32040
tacaatattg tcctactgtg ggtagcgcaa taactaaggt aatctgaaag accagttata 32100
ttatatacta tagttaaatg catttcaact gcatgggaga aagcaactgt gttctttcct 32160

ctcaatttta acagaaggaa aattgtcaaa attagcttat ttagaatgtc ctatcagaga 32220
attattttga ttaaaatata tttttaatca ataaaatatt tctctttggt caatacttgt 32280
caatatagaa taatatctag ccacaaaatt aaaaaaaaaa cattttcccc tatattacat 32340
tcatggatct tcttgaattt ctgttatcta ggtgctttta aaagtcatat ttctgataat 32400
atgaaatcac agctcctttt ctttggcata tttagttact gtattaagaa aatgtacaac 32460
acataattta gaatgggtaa ttattatatt ctctttattc ttatattgaa aatgacatga 32520
aaattaccag tcttcccagg taatataatt taagttaaag aacatctaca tactacaacc 32580
aatacccatt cccctatgtt atgtttggaa aaacatagaa gtatctttag tagtactctt 32640
agaaattatc ccaggttcag catattggta ttttatttcc aggtttaagt tacagtattt 32700
tgggcacccc aagtttaata aactattccc tgcagaaacc tgacaagtga agttgtggct 32760
gggaatatgt tagtcttcag ataaaatgaa ttgtttaaga atttgctaaa gatctcaaag 32820
catctttctt aaatctaaag aaagtcagga acaaagccac aaccaggacc atagcatcag 32880
aagatggaaa gttgctttgt cttcaaactt aaaaaacatt ttccatttta aaataatttt 32940
actatttacc tgtgatactg ttgaaaatta tgaaaaaaca gataatttaa aatttagtgc 33000
tttttttaa aaaaaaaaaa aaagcgaatc cctgggacac ttcatatagt gcaaaacaac 33060
aattcaagaa ttcaagcatt gaaagaaata atctcttatc ccccagtctc tgaaagggat 33120
tgcctttact actgttccca tctttatgtc catatgtacc taaggcttat ctcccactta 33180
caagtgagaa actattcagt atggcttagt cattttaat gcaagagaat aggtaaaaat 33240
gccaagcacc agccagagtt ttttctttgc agatagatgt gactcttaca ggagcagcag 33300
ggatttccca ctttgggcgg aaagcagcat ttaggtattc cccctccagt gcagttacag 33360
accacccccc cgtagaagct gctcctgtcc tctgtggcat gtcagcctct gattatcttt 33420
taataaacaa tatggcatat taagtctctt ttatgccctt ctttgtattc ccaggtacca 33480
cctccatgtc aggataacaa gaatttggta atgtttgttg aataaattta gcagaagttg 33540
aaagaaaaat cctgtttcta cagaaagata ccactggctt ttggggagcc cgagttcatg 33600
atgaaactaa agaaagccac aaaagttcac ctcaatgcca agacatttct tgatttttga 33660
aaacccagtt gtcgaaccac ccatctatag aaacttgaaa gactaaaaac tatcttactc 33720
taaacatttt ctaggaagtt gattctacaa cacattttgg ttttccaatt tggcttctaa 33780
taattatttc aaagtttctg tggcctaaat tttgttttac attgatcctt tgaatggact 33840
actgtttcca cattttagaa catttaaaaa gatatctaca acccgagtct aatcataaaa 33900
aaaatcagac agatccaaaa tgtggaacat tccactaaaa aaggagtggg gagaggtctt 33960
tattcttcca aaaatatcaa tgccataaaa gacaaagacg gctatggaaa tgttacagat 34020
tgaaggagac taaagttaaa tgcaagaaag gaaaaaatgg catataggac agtattgaat 34080
tgactgacaa aactggatta caatagtaga gtatcaatgt taaacttgct gaagttgcta 34140
actgtatttc ttaggaatta ttcacctaag aatttaggca cacagatatg atgtatgtaa 34200
gttaccctta aatggcttag aaaaaaatgt gtgtatattc atttacatac gtatctacac 34260
acacgtgtat tagcggaaga gagcaaggca cacatgtgca taagtgataa agcaaatgag 34320
atgaaatctt tatttttaaa tttaattttg taagtttcag ctttttaaaa ttttagattc 34380
cggggataca cgtgcagtta ttacttgggt atattgtgtg aagctgaggt ttggacctct 34440
aatgttcctg ttgccacaac agtgaacaca gtacccagca cgcagttttt cagcccttgc 34500
cccctccctc ccgctctccc tccttgcttt tggagttccc agtgtctact gttcccatct 34560
ttatgtccat gtgtacccaa gacttatctc ccacttacaa gtgagagcat gcagtattta 34620
gttttcttgt tctgcgttag ttccgttagg ataattgcct ccagttacat tcatgtcact 34680
gcaaaggatt tgatttcatt ctttttaatg gctgtgtagt attccatgtt gtataggtaa 34740
cacattttct ttatccactc atcaattaat gggcacttac attgatttca tgtgtttgct 34800
attgtgaacg gtgctgcaat gaacatctga gcgcaggtgt ctttctggca gaatgattta 34860
ttttcctgtg ggtatatacc cagtaatggg attgctagct cagataagta tttctatttt 34920
tagttgctct ccacaggggt agaactaatt tgcattccca ccaacggcgt gtaagtgttc 34980
ccttttctcc acggcctcgc caacatacgt tcttttctga tttttaatag tagccatttt 35040
gaactggtaa gagatggtgt ctcattgtag tttggctttg catccaaatg agacaaaatc 35100
ttaatgacag gtgaatctag gtaaaaggca tacagacgtt ctttgtgttg ttttttaac 35160
ttacatttga agttattttc aaatgaaaaa taaaagcaag caaaaaaagg tcattcttca 35220
tctagtaaac tcttcaaaga ttaccacccc cttcaacagt ttttcctggt tctagtgagt 35280
cttctcccat ttgtttagat ctttgttgaa atgtagtctc agataaaaaa ttgtatttt 35340
atttctttta catatttcaa acaatctaaa ttctttttaa atgaaactca ttaaaaatac 35400
tgcatttgtt tctaaataaa atggtagagg taatttgcac ctttccaaac agaagcaata 35460
ggagcaaccc agatgttcta gccacgatcc aagtcaacca cattcaatct aagaagtaat 35520
tgaaggctgt aacgacttct gtaaggccta caaaaatgag ttcagacaca agctctgctc 35580
agtaaaaatc tagtggcaga tgatatatac aatgatctga gaaaaaggca gaatcaacaa 35640
aggttgtatt tttatctatt gctgcgtagc atatttcctt aactttagta gcttgaaaca 35700
ataaacattt attatttcat aaagtttctg tggtcagaaa tccaggagca gcttaactgg 35760
gtggatctgg ctcagctgta gacaagatgt cggctgggac ggccatcctt tgagggctct 35820
gagggctttg agggctgcac gatccaattg caaggtggct cactcacata ctaggcaagt 35880
tactgctggg tgctgggagg agaccttagt ttcttatcac atggacctct ccacagggct 35940

gctggaatgt cctcatgacc ttccccatag tgagtattcc aagacaggaa agtggaagcc 36000
acaatgtctt tcatgaccta gcctcaaaag tgacatactg tcatttacac aatattctac 36060
tggctgtaca agttaatcct atttagtctg ggaggggact gcataagggc atgagtaaca 36120
agaggcaaga atccttgggg gccatcttgg aagctggcta cacagaagag aaaacaccag 36180
gggagtgcga agaaggtgca attaaactca attccttggt atgccaatgg taagaaatat 36240
taggtgatct ctggggtgta acctttttaa tttagttctt cactgaataa tctggccagt 36300
aattgtaata caaaatacgg cactctgaca atattctctc cctttataat caattacaca 36360
ccagaatata tataaagaaa gacttacaaa gtcacaagta attgtttggt attattttta 36420
taatcacata ctagggccct acaattagca ttcacaaaca tcactccatg ttggccagat 36480
aagtctgtct ttatagtggt ttaccatacg cgccttagca tgaagttaca tgtggtttcc 36540
ttagccatca gatgctccaa atgcaaaaaa tgtctcacca cagtcacaga atcatggaat 36600
cctaaagtta cctggggttt ctgaaaatct catgggaaca actcacgaga attaaggctt 36660
aagaaagtga tttatcaaag aacaaaacca gcaagacttg agtttagaac tcgcagcaga 36720
gttgtgacta gaacctgttg aaataggcaa tgtagaaacc cagactaagg cacattctct 36780
acaactttac tatgcaagta tgcttagata ctccttagca aacagcaggc cttgagtaaa 36840
ttctttcaga actgaataca caaaggatac agaacggaat acactaacaa tagtgcatga 36900
tgtgctcatt tctgtaatag aaatgaatta attctgatcc atctataatt tattattgct 36960
ccatgattaa cggaaggcat aggaaagatg actggaatag tgtaactagt acaaacaagt 37020
attacacttg actgaacctc attacactgc aattgcatat tatatagtat gtaggtgaac 37080
aaatactggg ttagtcagtg gacctacatt tgaatactgg ttctgctcct agacagctgt 37140
atgatttgaa tgacttcttt atactttcat agtttctctg ttcttctctg taaaacaaag 37200
gcttagaaga tattatgggt tagattatgc cccttacaaa agatgctgaa gtcctaaact 37260
acaatacctg tgaatgtgac tttatttgga aatagggtct ttgcaagtga taaagaagag 37320
gtcatggagt gacctaatcc aatacgacca gtgtccttat aaaaaaaagg aaatttggat 37380
acagatacac acaaacaagg agaatatcaa atgaacatga aggcagagac cggggcggta 37440
catctacaag ccaagggaca ccaaagattt tcagcaaatc accagaagtt aggaagagtc 37500
atgggacagg ttctcacagt cctcagaaga aacccaccat gtcaatacat cattttggac 37560
ttctagtctt cagaaccgta agaaaataaa tttttgttgt tcaagctacc caatttgtgg 37620
tactttgtta cagcagtcct agcaaactaa tacaaatgag ctcttaacac tggtctaaaa 37680
taggataatc ctatgaaatg ctacaaatgt ttgggaagat ttctcatact caactgttta 37740
cagtatacca caagcctgtc agttgaagat acaaacagac cctctataat cctctatact 37800
tatatgcaag gaacagcaca ctttttctgc aaaaggtcag atagtaaaca ttttaggctt 37860
tgtgggccaa acaaggtttc tgttacattt tttttttata actccttaaa aatgtaaaaa 37920
tcaccctcat cccaacggac tacaggaaca gacctcaggt cacatttgac tcatagcctg 37980
acccctggtg tgtagggtta acaagcctcc tttccctggg ctccttttte tttcagcatt 38040
ccaagccaaa ggaaactatc tttttcaaat cattttctct cctaggtggg acatcttaca 38100
ccagcccagg catgcttccg atagccttag agtagctgtc ccttcctcag aattactgtc 38160
taattggcta gaagttagca acttttaca tttttccttc aattcctttc cattaagaag 38220
aaggcatgca ccggcaaatt acttgtgact atcaatgaca tactctcaga agcaccagta 38280
cccctgtgtt gtttctaaac ccattctaat agacacatac cccaaggtta tgctgtttgt 38340
catctcacaa aatgacttac atctagagat ttaaataatt aatgtacttt tcataactac 38400
caggtacagt agatctgata atggcagagc taagcacata tacagaaagt agggcaaggg 38460
ccagagactc attttaaagc aatgttacaa gatcgtcact gttgcttttc atttttctaa 38520
atgtggccac tgctgttttc tcactaaagg aaatgtttta tgtaaagtga ataacagtac 38580
ctggcataaa ataagtgctc aataaatgtt aaggccttct ctccctcttc aactggcctc 38640
ctcatttttc acaaagtgaa atagaaaaac aacatggaag ataatcctgt tgcttaggaa 38700
aaataactaa agcttgctag acaaaatata cctgaaaata taggaagtga gctatagctg 38760
gcctatatgc atgtatgttg gaacaggaca agatagtgta gggtggggtg aagaggacag 38820
agaaatggaa ggaaaggggc tacagccttg gtggcaaaat aaaggataag acgactcttt 38880
taaaatggtc tatttcaaat gctgggttgt gaaacttaat ttgattactt catgagaaac 38940
agcatctata atccatccct gatttttcta caacaaaaat ttattattta ttttatgttt 39000
gtgtgtagat cttttatata tatacatgta cacacgtata tgtatatatt atatatgcat 39060
atgcatatat atgtgtatat acatatataa tatattgtgt gtgtatgtgt gtgtatatat 39120
aatttttta aaggaatggg gtctcactat gttgcccagg ctggacttga actcctgggc 39180
tcaagcaatc ctccacctca gcctcccaag tagcaaccaa cagttttagt tttgaaaaaa 39240
taacaaatat taaacaccca tgtgtaaggg ttggtactgg gccctgtgtt agtttgcatg 39300
ggctgtcgta acgtaacact acaggccggg cacaacggct cacgcctgta atcccagtac 39360
tttatgaggc caaggtgggc ggatcacctg aggtcaggag tttgagacca gtctgaccaa 39420
catggagaaa ccccgtctct actaaaaata caaaattagc catgtgtggt ggctcatgcc 39480
tgtaatccca gctacttggg agactgaggc aggagaatcg cttgaacctg ggaggcggag 39540
gttgtgatga gctgagatca ggccattgta ctccagcctg ggcaacaaga gcaaaactct 39600
gtctcaaaaa caaaaaaaca aaaacaaaaa aaccctgata acactacaga ctgggtagct 39660
ggaccaacag aaatttattt tctcacagtt ctggaggctg gaaatctaag ataaagttgt 39720

tggctggttt ggtttctgag gcctctctcc ttaacttgca gatggctgct ttcttgaaat 39780
gtcctcacat agctgtccct ctgtctgttt ctggtgtctc cccacgtatc caaatttcct 39840
cttcttataa agatactagt catattggat tagggtccac cataaagacc tcatttaaac 39900
ttaatcacct ttttacggcc ctgtgtccaa atacagtcac attccgagtt ccaggggatt 39960
agggcttcaa cctatgaatt gggggtgggg cacaattcag cccgtaacag gcctagacct 40020
taatttgtca acactacagt tagatttata gtatagtaac tgcatctgtg ctcatctaaa 40080
tgtcataccc aaatgaaata atatagcatg atgatctgaa tttattaaag gcaatttttc 40140
ctatagaaac ccaaatctat aaattatata caaactgtgg taagttactc gataccttgc 40200
caggactcat ctatggtggt agatagacca caaagagtac cactgaaaga tccctttcct 40260
aatcacagtt tcctcactgg cttgccacaa aacctaaaat tcttctattc tttcattggc 40320
aatttatttc ccctgaaaat gtaaataatc tctggcagag caatctatta agtgatcatc 40380
agccactaac accttagggt agaacagctc agatcacagt cttaaaataa attccatcag 40440
tatgaaattt tctttattac tgctccgcta ctggaatgtt agatcactgt ctgctttaat 40500
aataattctg gtgtaggtca ttcaaatttt gtttaagata ataagacaaa tagcaggtat 40560
aaaaacattc cgtcatctaa taaagcaacc cgagaacagt aagaagaacg tgatgaaatt 40620
aacatttttg agtacctgct aggaatcaag tattctgcta gatattttag aaatcatctc 40680
aattcaatcc taaaaattat tctgtataat agtataggtt gagtattcct aatccaaaaa 40740
tctgaagctt ttttttcct gagacggagt tttgctcttg ttgaccaggc tggagtgcaa 40800
tggcgcaatc ctgactcact gcaacctccg cctcctgggt tcaagtgatt agggatactc 40860
aactggctaa atataatgca aatatttcaa aatctgaaaa aacccaaatc tgaaacactt 40920
ctggtcccaa acatttcagg caagggacac tcaagttgta ttaatcccat tttacagaag 40980
aagaaacagg ctcagataaa tgaacatctc agagcttgtt gatagcaaag gagagattga 41040
aactgtcagg cctctgatcc caagccaagc catcacttcc cctgtgactt gcatgtatac 41100
atccagatgg cctgaagtaa ctgaagatcc acaaaagaag taaaaataac cttaactaat 41160
gacattctac cactgtgatt tgtttctgcc ccaccctcac tgatcaatgt actttgtaat 41220
ctccgccacc cttaagaagg ttctttataa tttcccccac ccttaagaag gttctttgta 41280
attctcccca cccttgagaa tgtaatttgt gagatccacc gctgcccgca aaacattgct 41340
cttaacttca ccacctatcc caaaacctat aagaagtaat gataatccac cacccttgc 41400
tgactctctt ttctgactca gcccgcctgc acccaggtga aataaatagc catgttgctc 41460
acacaaagcc tgtttggtgt ctcttcacat ggacacgcat gaaagaaacc ctacctggtt 41520
ctgtgtctta cctgttgggg gcctgtggtc aaactactag tacggagttt tagtgtcctc 41580
actttaaaaa tgagggttgt ggccgggcgc ggtggctcac gcctgtaatc ccagcacttt 41640
gggaggccga ggcgggcgga tcacgaggtc aagagatcga gaccatcccg gctaaaacgg 41700
tgaaaccccg tctctactaa aaatacaaaa aaattagccg ggcgtagtgg cgggcgcctg 41760
tagtcccagc tacttgggag gctgaggcag gagaatggcg tgaacccggg aggcggagct 41820
tgcagtgagc cgagatcccg ccactgcact ccagcctggg cgacagagcg agactccgtc 41880
tcaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaatgagg gttgtaaggt 41940
aactacctac tttttatagc attgtagtga agttgaaatg aattaatcca catatattat 42000
agtgtggtag aatgcagcag aactgatgat gtatgacttc taagactagt ccttaagaga 42060
cctgcagttt ttgcttttgc cctcttggaa cactcctgtt gccatgttaa gaaaaactct 42120
ggggagacta tgaaggaaga gagcatactc ggggcagggg ggtgaacagg acgtgcacat 42180
gtacgagcgt acaagccagg tgacaccagt accacagcct cagacatgtc accggggata 42240
ccagcaccac agcctcagac atgtcaccgg ggacaccagc accacagcct cagacatgtc 42300
accggggaca ccagcaccac ggcctcagac atgtcaccca gggacaccag caccagcacc 42360
acagcctcag acatgtcatc ggggacacca gccccatggt ctcagacatg tccctgaggc 42420
ccacttagac ccttcaaccc cagcccagct gctaactgac tacagccaca tgaacagaac 42480
caggtgagac cagaggaaac ttccagtcac ctaccagatc atgacaaata ataaacgatg 42540
ttttttaaac cacaaagatt tggagcagca tttgttacac aaaattagac aactattaca 42600
gttcgactaa aaacatgttc atttacaata ctaaattaga agtgtaagaa tgggagaaaa 42660
acttcatact ttaaaagtca ttttttcctc caaaaacttc caactttgaa aaactgattt 42720
ttataatgca taaaaattaa aataacctta gaatttatat gagtagcata gccagctggc 42780
tttattatct gttgtactca acacttcaat aatcactgat gttttagaac tcttcagatt 42840
tagaactctt gcccttgctt tagtctggtt taagctaaat aattgttctt cctcaagaac 42900
aaatgacctt acctcgtttt gttttccttg tctgagagaa acacattagc agtctcccat 42960
cttgtttttc cttttcctgt cacccaggac agagggcagt ggtgtgatca cagctctgca 43020
gcacgacttc cccaggttca ggtgatcctc ccacctcagc ctcccaagga gctgggacca 43080
caggcacatg ccaccacgtc cagcttaatt ttgtattttt ttggtagaga tcaggttttg 43140
ccttattgcc ccaagctgat cttgaattcc tgggctgaag caatctgcct gccctggcct 43200
ctccaagtgt taggattaca ggtataagcc accgtgcagc cttatatttt gttttaaatt 43260
ttcctctgta tttttctctc tggcaaattg tttagggagt ttctttagtt tatcagacta 43320
aatttcaagg ctttccttcc aattttgaca tgtaaacagt ccctcatttc tgcttatcta 43380
gtgattattc ccaaatctgt gtttacagtc tagctgtctc tcctgagatt aagacttgtt 43440
tctctaacta cctgacggca gaatctcctc ttggaagtat caaggaggca gttcaaaact 43500

gaactgggca ttggctccac tccttctcct tctctttact attaataccc tttctctcct 43560
tctatatgac cacactaagt cttatttagg catcgtttct tctgggagac ctttgtagaa 43620
tctctgaggt tatgttaaca tgctaaggtt ttcttgacat tctcagattg ggttaggtga 43680
acttttagca acttatcttt ttactaaaaa gtcatccctc agtatctgtg gggaattggt 43740
tctaggactc cctaaggata tcaaaatctg catgagcagc ccaggtgaga ccagcagaag 43800
cactttacag tcacctacag gatcatgaca aataataaat catgtttaag ccacaaagtc 43860
ctttacataa aatggtatag tatttgcata taacctacac atcttcctgt atcctttaaa 43920
tcatctctag tttataatac ctcatacgat gaaaatacta cgtaaatagt tgttatactg 43980
tattgtttag ggaataatga caaggaaaaa agtccacgcg tgttcagaat agatgctttt 44040
ttttctcgtc taatattatg gatccacagt tggttgaatc cacagatgtg gaatccatgg 44100
ataccaagga acgactgtat gcattttgac aattatactt ctcatcttac catgcattca 44160
acaaacagaa catgtaaagc ggtgataatg ctgtgatgaa aaataaagca ggggaagagg 44220
ctgcatccat ctagtggaaa cgatgccctt ttcaatctgc acaaagagaa aaagctgctc 44280
tccaagttgg ggggtgggtg ggtcaggtat gtaaattggt caggaaggga tctgtaggca 44340
cttacagatt tgacgctaat gagatgggaa gccacaggaa ggttgtgaag aaaagacaag 44400
acatgatctg attcatgttt tgatctgata cactggttgc tagatggaga ataagctgca 44460
tggcggtgag aggaagcaga aacaatagga gggtaatgct ataatccagt ggtccataat 44520
ccaatatccc cccaaggaac agttcggcaa tgtctggtga catttctggc tgtcacaact 44580
gttggggcgg agtgctactt gcatctagca ggtagaagct agggatgcta ctaaacatcc 44640
tacaatgcac aagacagccc ttcccccaac attgctggcc caaaacgttg atagtaccaa 44700
ggctgagaaa ctctgttata atctgtccta gaatgtagct tggattgaga tggcagtggt 44760
aagagctgga gaagtgctta gcttcccaat gtttttttgt ttgtttgttt ttgagacgga 44820
gtctcgctct gtcgcccggg ctggagtgca gtggcgtgat ctcggctcac tgcaagctct 44880
gcctcctggg ttcacgccat tctcccacct cagcctcccg agtagctggg actacgggcg 44940
cgtgccacca cacccagcta atttttttgt atttttagta cagacagggt ttcaccatgt 45000
tagccaggat ggtctccatc tcctgatccc gtgatccacc cacctcggcc tcccaaagtg 45060
ctgggattgc aggcgtgagc caccgcgccc ggcctgaatg tttttaaagt actggtgacc 45120
atattcgctg agggattaaa tgtaaggtat gaggggaaaa taggaatcag acaccagggt 45180
ttactgcctg agcaatgaga agaacgacgt tcctcatacg gagatgagga agaatgtgga 45240
atagcaggta aatagcatgt gcttgctttg tttggggctg tgcagaagag actgatggga 45300
ccaacgtgct cagttctgga tatattaaac ttggaatgcc tatttggcac caagtgaatg 45360
tatcaggtag gcagatggat aaatgagtct gaagttcagg ggagaggctg gggtggcaat 45420
atgaacttgg gagtctccac atctgaatag tatttaaagc tatacaacag gataaggtga 45480
tttaggaact aaacacaaat tgagacgaga tccgagccca gaggcactcc gatgtttaaa 45540
aaagaggagg aaccatcaaa agatactaag gagaagccaa gaagtaggag aactgagagt 45600
ctgagagaat cattatactc atttgatcga ctgcaacaaa tgctgcttag aggtcaagca 45660
aaatgaggac taagcaagga ccaccaggtc tggcaacatg gaggccaatg ccgacgtgga 45720
aatgagagtt ttggtgggaa gacaggaata aaagtctcac aggtctgaat tcaagagaga 45780
gaacagcaga agaagggtag aggtggtagc cataaacaat gatacattct cttgaggcct 45840
tttcttgcaa agctcagtga agaaacatgg ttccagagag ggatttttt ttctctcatt 45900
ttacatatgc aaacatataa aaaagctgaa agaattgttt gacaaccacc cttattctta 45960
ccacagattc aacatttaat gccatatgtt ttccctgtat gtactgtgta ttgtttgagg 46020
ataacttccc ctctaaatat acctcggatg tatctcctaa aataagtcca ttctcctaca 46080
tagccatagt aaccatgaac acacctagga aaattaaaaa tatattctca aatatattat 46140
atagctgggt atattacaat ttccccaata tgtgatttgc aaaccaggat caagtcaaag 46200
tccatgcaca gcatttggtt gtcatgtgtc tttggtctct attaataatg atgactgttt 46260
gaaaagacct gtcctataga ataaatttga ctgattatgt catgccattg aacttgtttt 46320
tctattctag aaggatagtt ttttagggta gtgaatacat ttattactct tggcacaata 46380
gtctaacatt tcccaatttc cttatatctc tgccctttca ttttcagaaa atcaattatt 46440
ccaagatttg tttttcattt atcatcactt attagctctg aagactcaac tgagcaactt 46500
tcagggttta tataccctat attcagaaaa aaactactac catctctcat ttaccctaag 46560
aattcatagg agagcatgtc ttaaagctga tcaataacca aaccaaacat tttattgatc 46620
atattacatt tggaaagcaa aatgaatttc ctaaaatttc ttccctgatt agcaaaatag 46680
tgcctccgaa cacttgaggg tgaaagttgt tgtcaaatat gcctacatga ctggaaatta 46740
tgacatccaa atgagttcac tgggtctgat aataatatgc tctacatgct tatgtctatg 46800
taataaacag cttacatctg gatgagaaaa ttgattatac aaatatttgg gcttctacaa 46860
ctggtcactc atctgtaagt acttaaagca acttaaaatg caaactgacc taacaatgct 46920
tatggttaga attccaaaga atgtttaggc attgtcaggt tatgttaaaa catcttctgc 46980
cacaatcttc aagtgattta tcttttctgt tgtgttgaat agctatagaa gacaaatgaa 47040
ttctgcactc ctgaattcaa tgaacatttc aagtttcctc acttacactg taagattacg 47100
tagcatattt taagaaataa attataatca ttttatttca cttattgaac ttcttttaag 47160
ctttggcatt agaattttaa tcaaagcact gccacttgct tacagtgatg gtttttaggc 47220
tctttgggcc tatggactat ttcaatgacc ttcactagcc atctagtcca ccttatccta 47280

attattacca ctgcaaaaga aaccctcact tgaataaatc agtagatggg catgaggcac 47340
ctcccaggag actataatta ttaactcata ctaaaatcaa aattgtagct attatcactc 47400
atatggtttg gctctgtgtc tccacccaaa tctcatcttg aattgtaatc cccacgtgtc 47460
aaaggagaag cctggtgcga aaggactgga tcatgggggc ggccttcccc cttgctgttc 47520
ttgtgaaaga gttctccgat ggtttaaacg catgggactt cctcctactt gctcgctctc 47580
ttctgccacc atgtaagatg tgccttgctt ccccttgcc ttctgccatg attttaagtt 47640
tcctgaggcc tccccagcca tgcagaaatg tgagtcaatt aaacctcttt tctttgtaaa 47700
ttacccagtc tcaggtagtt ctttacagca gtgtgaaaat agactaatac aatcacctta 47760
tggtaagtct gtctataaat cacctgaact ttcacagact atctagaaga acatgtaacc 47820
agagtagttc ttgatcatgc tatataaatt actgatacag aaatagagct agacaggaag 47880
gggctggtag tagagaatca tcctctggac atattctcac agcctaatct ctagctagca 47940
aattttataa tatatataaa aatacaatta tttcacaaaa ttaccatgaa acgattttat 48000
tgggatatta gacattactg aattacttgt tctgtgaggt atacagtgaa attaacatgt 48060
tataaaattg tggtagccgg cccccaagat ggcctccaat gaatccttca cctcttggta 48120
ttcatacctt tgtgtaggta ggtctgtgta acccatagaa tacagcacag tgacagtagg 48180
tcacttccga ggttaggttg tgaaagacac tgtggtttct gcctctctct cagatcacgt 48240
gctctggggg aaaagccagg tgtcattttg tgaagacact caagcagcct ttagatgact 48300
gcaaccacat aagaggctcc gaactggagc cactcagcta aaccactccc agattcctga 48360
ccatgtatca tttcatacac aatgtatgaa atgacaaatg tctgttgttt taagctgttt 48420
ggggaataat ttgttacata acaaaatata actaatacaa taatacatac tgatttaact 48480
gaagttgtaa cttcataact tatttaggta ctaaaaatca cagcaacccg atgcaaagta 48540
ctaaaaaaaa aatccattaa tacctattga gtactgttga gggcatgagg aaagctcttt 48600
catactccac ataaaacttc cttaccgtaa tattcatggc tgacctctac tcttaactcc 48660
tttctaggat aggaggggct aactgatctg acagcaagtt tgggagaaaa aattctgagg 48720
ctcggccaac ttcctctctt ctttccattt gggatttggc tgactgaaga gggtcatttg 48780
ttttggcctg ctctcttaca cagtaaatgt agtgggacaa gctctattct tgttgataga 48840
aaaactcgaa ttttaaatct gcctagttct ttgcagctcg ttgttgctcc aaatctcagc 48900
taccttttga aacaactttt ttcagtaaac ttaatttcaa tcttcatgtg atttaactgg 48960
atccaaacac aggcagataa aaaaggtggg gcattactta tcaacctcta aactaagttt 49020
aattttgtgc cctcatggag tttatagtat atttgaggtt taaactaaaa cacctggttt 49080
taaacagaaa ctataaaaaa cacgattaat aggtgaggcc gggcgcggcg gctcacgcct 49140
gtaatcccag cacttgggga ggccaaggcg ggtggatcac gaggtcagga gatcaagacc 49200
atcctggcta acacggtgtg aaaccccgtc tctactaaaa atacaaaaaa ttagcccggc 49260
gtagtggtgg gagcctgtag tcccagctac tcaggacgct gaggcaggag aatggcgtga 49320
acccggaagg cggagcttgc agtgagccat tgcgccactg cactccagcc tgggtgacag 49380
agccagactc cgtctcaaaa aaacaaacaa acaaaaaaca aataggtgaa aggccgtgat 49440
cattggtaag cgtaagaaaa tctgagggag aaaaaaatat agatgcccag gccccatgcc 49500
aaactcatgg aatcatgcat gaaacccaag cagctgcagt tttaacaagt tcccaatata 49560
tagttgaccc ctgaacaatg caggtttgaa ctgcctgggt ccacttataa aatggatttg 49620
atttttttca ataaaagtta caccgagtgt gcctgcctct cctccctccc tccctacatg 49680
ctcctgctct taagcctctg ccatgaggct taagacagca agaacaaccc gtcctgttta 49740
tttcaatagt tttggggggt gcaggtggtt tttggttaca tggataagtt ctttagtggt 49800
gatttctgag attttagtgc aactgtcacc tgagcagtgt acactgtatc caacatgtag 49860
tcttttaacc cccatccaac cttcttcccc aacccgaatc cccaaagtcc actgtatgat 49920
tcttatgcct ctgtgttttt atagcttagc tcccactttt aagtgagaac ataccatttt 49980
tggtttccca ttcctgagct acttcactta gaatactggc ctccagctcc atccaaattg 50040
ctgcaaaaga tattatttcg ttcctttgta tggatgaata gtattccacg atgtacataa 50100
acattttctt tatccactca gctcctcttc agtctactca atgtgaaggt gacaaggacg 50160
aagatcttta tgatgatcca tttccactta atgattagta aatatactta cttttcctta 50220
tgattttctt agtaactttt tttctctaac ttactttatt gtaagaatac agtatataac 50280
acatatgaca tacaaaatac gttagtcaac aatatatgct atcagtaaac ttccagtcat 50340
cagtgggcta ttagcagcta cgtttttgg gcagtcaaaa gcatggggaa ggagagggtg 50400
gtccctaacc cctgtgttgc tcaagggtca attgtaataa tacccattta agaatccatg 50460
gtatatatgg taagtgcaac aactctagaa gagagtgcta ggagttggaa aaggaaagag 50520
aaaacagaat ttaaagcaat ctgtaaagga catgcagggt ttagatgagg tggaagggtg 50580
agggaaaacc aacatctgct gtgagggcat attaactgcc agacattgtt ctatgtctta 50640
cctcatttaa gagaatttca tttcacacat ggaaaaactg aagcccagag aggttaaata 50700
atttgcctga ggccaaaatt agttaaataa cagaagtggg attagtagat gttttcattt 50760
tatcagtgaa actgagcctc agggaggtta aatattttgt atgaagtaac aaaactgaga 50820
ttaatatatg gccaagttta aatgagatct gtaaatctaa tgcctacact aaaacaaaaa 50880
aaaaaaagtg ggaagaaaag gtctatattg cttagcaaaa cagaggtagg gaagcaaaaa 50940
taaacttaca aaatcagatt agaccaccaa aaaacagtcc ccattttaac ttatgtggtg 51000
agaaccatat attaaagacc accagtggct taaaaatctt tttaaaaaat gaatctgttt 51060

tcattattca ttagttttta tctaatgaat aatgtatctt aactgataca tttactaaac 51120
aattaccagc tccaattagc actcagttac aattcaatca ttaaactgac cctcaattta 51180
gctgtcaacc tagtcaaaac agttaagtga ttttacggtc atcctcagtt gcagaagtat 51240
aatgtttatg gctggagtca ttttatttt aactaacatt ttttaaaaag attgctttgt 51300
aacaatgtgt tatgagtcct ttgtggtaaa tactgctttt tttttgagac gcagtctcgc 51360
tttattgccc aggctggagt gcagtggtgc gatcttggat ctgaggctcc tgcctcagcc 51420
tcctgagtag ctgggactac aggcatgcgc caacgtgccc agctaatttt ttgttttttt 51480
agtagagatg gggtttcacc atgctggcca ggctggtctc gaactcctga cctcgtgatc 51540
tgcccacctc ggccttccaa agtgctggga ttacagctat tttaaggact ttttaaaaag 51600
tgaagctaaa catttattca tccctattcc tcatctatag ggacttgtgc tctatttttc 51660
tttgaagact gaagtaaaaa ttcacctttg tgagggtctt cctataatta aaattaatca 51720
ttttttcctc catagcttct acaaaacatt gcctgtacaa ctctatttag cacttatttc 51780
atcccgcctt gtatgaaaac tatttgttta caaacgtttc tacttctctt taggaataag 51840
gactatgcat tattcactgt tgtattctcc ctgcatttat ggcagtcctt tgcacattaa 51900
atacaagctt tttggctctg tgcatctctt catctggctg ttcatctgta ccctttaaaa 51960
catcctttat taaaaaaaca gtaaatgtaa aaaaaaaaaa aagccattga tgaaaaagtt 52020
aatagctttc tcaataagaa aagagtatca attatgcata cgtctgaact aacaaacatg 52080
aatgaaatag gctatttaat acattctgtt ttaaaagtag gtttggtcag ccatgtaaat 52140
tgaaaattgg gagccaccaa gataactcat caacaaatat gcactatgta ctaggcacta 52200
tatagatgat ggtgaaccaa acagatgtaa tccttgctct tacagatctc acaacctact 52260
atggggccaa aaatatatgt gtatgtgtgt gtgttataca tatatacaca cacatacatg 52320
tatatataca tatacacata cacatatata catacgcaca catacacata tatacacaca 52380
catacatatg ctatgaggaa aacaaacagg tggtgagaaa gaattagagt aggggtagag 52440
gacagagggc tcctcaaata gggtggacag cttgacacaa gacactcgag ctaagactcc 52500
aaggatgaga agacagttat gtaaagaaaa ggggactagc attgtcagca ggtagctaag 52560
gccttaaagc agacagtcat gtgctgcaat gccagcttca agcgaataca gttactaaag 52620
catatctaac cttctatgtg aatgtagtta ctaaagcata tcctccaact ttccattttt 52680
cttttgctat tgtttctacc acttctcctt ttctgttgac aattatttta aatttcctgg 52740
ctaaattaaa tgatggcatg aactctgggg aaagtaagac tacctatgtc caaataatcc 52800
taaattcctt ctagtcctta tgactgatca attcaccctg aagtgacaac tatgtcccaa 52860
ttaggaaaga gtgtttcttt atctgcactt aatttttga tttggaggct tcctgattgc 52920
taatcaacat gttgtgtgat tacttcaaca agtacttata gaacgttatt ttgtcactgg 52980
aaaaacgttc tgctgctttc tgaactttag gttgctctag agtctaggaa gagtgactgt 53040
acctaaagca gttcctaatt actggacatt ctcagatctg ctagagctac atgtccaatt 53100
acgagaatat actggaaaaa gccctggatt agaaatgaga ggatgtaggt tttagtacca 53160
ggtcagccac cttgttaatg caaatttgag taaattgtta cttcttttag gccttgtttt 53220
tgctgttttg tttttctgac agtatggtct ctgtggtcca ggctggagtg cagaggcaca 53280
atatcaggtc cctgcagtct ctacctccca ggatcaagcc attttcatgc ctcatcctcc 53340
tgagtagctg ggattacagg catgtgccac cacaccctcg aactcctgac ctcaagtgat 53400
ctgcttgcct cagcctccca aagtgctggg attagaggtg tgagccactg tgcctagcct 53460
tacacattgt tttcttactg gtaaagtggg aatatctaga agttgcatgc tacataaatt 53520
caaccatata ttattggcaa aaaatttaa agaaaaacat cagcttaaga gtactaattg 53580
agtacatgcc ttggaatgag catgagctgg aaagaacaaa cctgttgtta catcactcat 53640
tgctgttttc atatgctgct cattgtaaat cttgctcagt ggcatgattt tagtgtttaa 53700
agatttattt gtttgtttgt ttaggacaaa gtctctacac ataatctact tgcttcatat 53760
atacatactt atgcatatta tgtatgtaca tacatgctct cagggctcac atgaaaaaac 53820
agccattcag gtgatgtgat ttatctcata tgcttacttt agagtcaaca gggtgttgac 53880
tccactatac aatactggca tggagaacac ataagtcaaa gtagacagga cccagccgta 53940
ccattggcta gggcacaaat atattcacat atgtggagaa tgatgtacgt agaaaggtct 54000
tcattgcaca atgctcttta ataaagatct ggaaaaaaaa aacacctaaa tgttcaaaag 54060
gatagggtag atgaaataat ggtacattat aaaatggaag attatgcagc ataaaaata 54120
aggaaatacc ttaaataata acagaacaac ttttaaggta agtgaacaaa taaggtacat 54180
aatcactatg catagtatgt accatttaca tagaaaaagg gaagaaaaat aaaatatata 54240
tagtaattta tttgttctta catgtgtaaa atttttctga aaaatatacc agaaactggt 54300
agcactggtt gcttcctagg cagaaaatga ctgagtatcc ttttgtacct tttgaatttt 54360
gaaccacgtg aatgaatgtg ttacctatga acaaaatgac aagtttagat cagcaagaca 54420
gcagtttgag atgaaatggg attacaccct tagtaggaaa aacttttaa agcaggtggt 54480
acttctaaga gcaaatacct gcacatggaa tgttgaaact ataaggaact ctccttaaga 54540
gatccatcta ttccaaactt ctcattttat agatctgtaa actgagacct taaaaattca 54600
gtgacttgca taaggtcaca cagcagaaga gatgggatta gatgctagat attccaatat 54660
caagtttaga ctattaaaaa ttcagtgact tgtgtaaggt cacacagcag aagagatggg 54720
attagatgtc agatattcca gtatcaactt tagactatta tcacaccatc ttctcatttt 54780
ctgggggcaa aacagaacca agtaagtttg ggctacatta cgagttgtca tgtttttgtt 54840

tttgtttttt tgagatggag tcttgctctg tcgctcaggc tggagtgcag tggtgtaatc 54900
tcagctcatt gcaatctctg acccccgggg ttcaagcaat tctccctgcc ttagcctccc 54960
gagtagctgg gtttacaggc gcctcccacc gcgcccggtt aatttttgta ttttttttt 55020
tttttttag tagagacggg gtttcaccat cttggccagg ctggtcttga actcctgacc 55080
tcgtgatcca cccacctcag cctcccaaag tgctgggatt acaggtgtga gccaccacgc 55140
ccggccgagt tgtcatgttt tatctaaatt ttagagtcta atgtataaat taaccttaag 55200
ccctgaaact actaatttct tgtttggatc actatacggc tacacttaaa aatatgctgt 55260
gcatacctct atcattgcat gtatacaata tgatagatgc atgatatgac agacacacaa 55320
tatgatacac gtatttttt ctatcctaac acatctgaat ttactgaaat aactaaaatg 55380
tcttaagtta ctttttaaa tatacacatg catagcacaa gcgtgttgcc aaaaatatga 55440
atacaggttt acaattcctt aactaaaacc caagggttgg atgtgtttta gaaataagaa 55500
tttcatacaa tttttaagtg ttacagggta tataaaccat tatataacac ataccagggg 55560
ccaagggcag caccccataa tcaaacatat taatatagtt tcagcaaaac acatgggata 55620
aagactatat acagcttctc aatagttcag gtcatatttt gctaccaaat gaattttgtt 55680
gccaagctta agaagttttt ggttttcacc gctttctgaa tgttagattg agatgtggga 55740
ttacagactg tactcataga gtgcttctag aaagcagtca gtcacttcaa ctctcatttt 55800
ttttttatga gactaaaaaa gaaatcatag caagtagctt ttatatccca ggtttgggcc 55860
aaagacttgt attgtggtta aggaatctaa cttagtagaa ggtgcacgag ctgacatcgt 55920
gagtggctaa aatgagagaa aaaaagagaa aatcctaatc atacagaagc actgaactac 55980
tgcagctgtt cgttagttat taatttaata aaagcttcct ccctttaaat catgtgagtt 56040
tataactgga aataggtcaa taaaatttct gtcccacact gctgacaagc gatggacgca 56100
attagcttta atcccactgg aaggtactgc actctctctg ggaccaggat atgtagaaaa 56160
aagcatttca aatatatagg aataaccaga aatgtataca gtattctcaa cttgggaccg 56220
ttactctata atataaacga aaggggtttt ctagtcaatc tctgctgatc tcctgtacca 56280
aagttcttcc ctttataagt cttgtactac cttttacaag aggaaaaagc tctagagcga 56340
aaacacagaa cacactaaaa tcccttcctt tctctttaca actcaagccc cgcctccatt 56400
ttgtttctgt tactaatttt tcttctgaaa aaataccaaa tttacactga aagactaaaa 56460
ttcaactttg cagacaacgt tttaaaaaat acaattcagt ttggtgatgt tgttttgcag 56520
tcttacaatt ttagctacat tttaactgaa ccaattgttt tgttcaattt atgagttaat 56580
actcagcaag tttgtttttt acaaatagtg tattccattc taaaaatgga agtagcagtg 56640
gtgaacaaga aaacaaccct ctgagttttg tctatttcag gaggaagtac tactttctcc 56700
aattttaatc acaattcata aaaaagaaaa acctaactag ctagatctta aatatacaaa 56760
tacattaaca atctagtaaa gcaacagaaa aaggtaaaca aactaaccag cctatttttg 56820
tctggagaaa ccccaacaaa ctgctggatt ccttggccat ttgcattcag aagtaccaaa 56880
aactaaaatc ctttttacta aataatttct tctacacgag acttgtttcc tccacaccac 56940
cctatccaaa ttgtcagcat tattccagaa tataatcatt tagtttgaga ccactaaaaa 57000
accccgcagt ccaaaatacc aattgtggtt tttctgtaaa gaaatggtca gaaactacaa 57060
attgttatcc taggacacag aaccaatcga ccaaaaggac ttctggaata tgctgccccc 57120
aagatttaga atgcacaggc agaaatagca tacgcggtca cgatgtccct taagccacat 57180
gaccttccta cgaaagcaaa ggcttaaact tatcaaatga gaactccccc tttctctgaa 57240
gttaaaacaa ggcagggcag ctggaattag agcagcaggg acagatcggc tgttgactag 57300
tcagaacggg tcgtggaatg caaagtccct gcgctttcgc tgctcccctt accgtgagaa 57360
gatctgggag ggaggaaagg aggagaaaca ccccagaatc ctggtagaaa agcccctggc 57420
ctcgaagatg ggctctaggg agacagggag gggcagctcc gtgtgtgatg acccttttgtg 57480
aacatgcact ctgtggcagc ttcagctcca ccgaggcttt gggagagcgg actacggatg 57540
cccggcgcgg cccagctgtg aaggccgcgc cggcggagag ggtccatggc acccccgccg 57600
gcttcggaag cccttccctc tcccacctcc gcgggtcacc ccaggaacca gcggctcccg 57660
accacgctcg cgcggaccac ggaacagcga cgcgcaagca ggtctctttc gtcagcgtaa 57720
tccctccgca gaaagccgcg cactagtttt aatcacgccc caccccctgg ccgctggcgc 57780
cacctccgcc actcgggcgc tttccagcag cttccagaaa cgtcgcctcc ccaaacccag 57840
ccactcacac atggcgggct cagcagccac cggccccgcc cctcctcgtc gccgcagtcg 57900
caactgcgtc tgcggccaca gggcggacag ccacgcctct gcggagggcg accggaagtg 57960
ctcacgtctt caccttcccc gccacgccac cgtcctttca ggcccagcgt gcagcaggaa 58020
ggaggactct tttgccgcgg actcaagccg gaagccgcct tcctagtgga gacgcgagtg 58080
ggggaggagc agtccgaggg gaacgtgggt tgaacgttgc aactagggtg gagatcaagc 58140
tggaacagga gttccgatcg acccggtacc aagaagggga gtgcccgcgg caggtaaggg 58200
agaagaggga ggggtttctt tccgctctcg aaattgggaa aagagacaga gctgggatga 58260
cctatggggt agtcggcgcg ctgaaaggat gggctgggct gggacggggt tcaagtggga 58320
aaggttgatg attaaggtat agagttggac ttacagatcc gtttgggcgc agagaggtga 58380
acgctgaaga gaaaccagag tttgttttcg ttttccaagg agcgtggaga tgggcagggt 58440
taacggaccc tgcgcctcct tcggcttctt agtttgggtg ttgaaactca cctcctttgg 58500
tcctgttcgt ctctgattca agacagttgg gtttggtacc tgacagggct gggtgcagaa 58560
agctgaccct gttcctcggc ttccaggtcg gttgtggcct cgcttttgac agttcacgtg 58620

ccgagcctac tcgctctcgg agggcgagct caaatgggtg ggtttaaggc cccctcttcg 58680
aacagctgtt tccctgggtt tctccatttt gcacacagga gtgtgaatta agtttaattg 58740
aatacttttt gcgattccca gggccacctt gacacgttca ttgtgctatc taactgggtt 58800
catgctgggc taataattca cattaaggct tctggagtat aagtggttca cagaagtatg 58860
aaaaggggat gttagaagaa agatgctggg ggtgaagtag agttgaggaa gacagaactg 58920
gaaagctagg ttggtttcac agtacaatga gctttaggtc ataatactac ctttaggtta 58980
tattgggctg tttggacgga gtttgctgta atcaggctag agtaaataga gaattttaaa 59040
ctaagcattg acaggctcag acttgtagag gcatcatttt gacagtgata tggaagggaa 59100
agaggtagag atttgagacc tttccaaaga actgtccaca gaatttggtg acttactgtg 59160
cgaagaggga aataaagaat agggaacaac tcaagacttt ctagtctgtg tgtttggaag 59220
gatggagacg cccacattta agtgagatat gggaaggagg agcagattgt ttttgaaggg 59280
aggaagagca gttacttagg gtcaaattaa gttgtaaaat ccccccccggg attttgtatg 59340
taagtcaaag tgaattgtat ttggaagaag aactggggag cccacctctg gtatttttt 59400
tatgtccctc atatggacaa ataaacctct ggtattaaat gaattttctt ttgggggatt 59460
ctatatattc gggatttcaa ccaccaacct atctggtttt tcccgctgaa atgttgggtg 59520
atggaatcag gagagcagat ttggagactc tttatatttt ataattgaga gagacaaaga 59580
gaaaaccgtt tgatttgaaa aagttttcta ggttccctca ggtagatgga aattttcatc 59640
aaaaacagtt tattcaaggt acatagccta ctagtttccc atttgagagt accgcagaat 59700
gatacgacgt gtactgcttc tctacgcaga atgaagtata aaattagcac caaatagtaa 59760
ctttaatttg tcaggtgcta aacttttac atgctttatc tcatttaatt cttagaagaa 59820
actaatttta caagtaagtg tctggaccaa catctgcagg tacaaagcct gaaaagcgta 59880
agtttgactc ctacatagtt ctcttttgta agtagattat aaatagaacc agccaaaggt 59940
aataagttgt ctgtgcctaa aaagaaagaa aaaagttagc atcagtagtt ctcaccagaa 60000
ggggtgattt tgcttaccag gggacatttg gcaagtcagg aaacttttgg ctgttggatc 60060
tagagggtaa aggtcagtga cgctgctaaa catcgtcagt gcatagaaca gccttcacaa 60120
acaattattt ggtcaaagat atttgtagtg ctgcagttga gaaatttctg tcttatggtt 60180
atttcttcag gaataggaaa ttaagattcg ccgatacttt ctttaaaaag cagttttatt 60240
tttgaaatta ttccttggct tgaaaggttt gtgaagttta tatagccgaa ccagaatagc 60300
gtaattagat tttaaagtga attgtgagcc atcgattccc aggagatggg tgtcatagaa 60360
tcatggattc ttggatttgg gaaagactta tgcctagaat tattttacaa catttctgct 60420
aagtggtaat tctcctctgc cctaaaggtc tcctgtattt gattttccta tcattgtgaa 60480
cccacaatta aaatgctctt aattattttt tgcttacact gagctccggt ctcttgtaat 60540
ttttactctg ttaaatgtgg ttctgcacca taggactgca ctcaaaacaa gcttgccaca 60600
tatgtaattt gtactaggac agtgtttata tttttgttca gataacaaaa taagttaaat 60660
gtggtgtaaa ttagatcatt tacaaataat aatttgttag cagcttttaa taagtagtat 60720
ttttccccaac tggtgaagta ttaatgttgg tagttgaaaa caataggaat gtatggaata 60780
tatggttcac tggttctttt gttcctgtca aatagtggca caatggatct ggggtttttc 60840
tcagtataat gctggcatat ttgtttcaaa ttgtacatag actctaaaaa gttaggcttt 60900
caaattctgg tcaatatagt ttgctttaaa tagtagctgc ctctactaca agttttattt 60960
aatttgttga caaatgagtc tgctatgaaa accggtcctg ttgccagtca ctaccctctg 61020
ttcacaaatt tgctgggttt ataaatatag gtatcatttt cacttcaaga ttataatttt 61080
agaatatgtt tattctagga catatagccc tcaaaatctg cttactatat acgtcttata 61140
aaatagcatg gttcttttt atagtaaata gaatttttat ttaattgtct attgactttt 61200
tttttccagg gttcattgaa aaaatcctta gtgatattga catgtctcaa gtgacataaa 61260
ttagccaatg actcggaatg atggattctc cgaagattgg aaatggtttg ccagtgattg 61320
gaccagggac tgatataggg atatcttcac tccacatggt ggggtatttg ggaaaagtta 61380
gtgaacttat tttttgcctg agtgcaaagt ttttttttt tctctatttt tgagacttaa 61440
attcaatttt gatgttacca gttaacttct aaaaaattgt gtcttccacg gaaatcttac 61500
agtaatggcg aaagattgtt ttaatgtgtt tacctttctg tgttttattg atacatgaaa 61560
gtggaaataa aacatagacc ttatgattta ctgttctttg aaaatatggt acataaattc 61620
tcccgggtaa ttgatgttac ttttttcctt gcaaataaaa ttgatactat tcttaacaca 61680
taaaatttaa tatttaaaac tataacataa ttctttttgg aataatagct gtatttaaag 61740
gcttatatgc atttcttttg tttgccatgt ttaaaatacc ttgtcaggat acttgtaatt 61800
gaaaattata attttttctg gttacctttc catttaactt ttaatatttt gatatattct 61860
aggaatgtct atattttaat ttgctttatt tctcttttag aattttgatt cagctaaagt 61920
tccatcagat gagtattgcc ctgcttgtag agagaaggga aagttaaaag ccttaaagac 61980
ttaccgaatt agttttcaag aatctatctt tttgtgtgag gatctgcagg taaagtatta 62040
atcttatata gtatatataa gatttttctt ttttcttttg ctttttttatt aattgtttta 62100
aaagtttact catttttttgt tttttagact agatttttaa tatgtaatct cagtttgtaa 62160
gtctgtctgg tatacaatgt tatttttcca cctaccttta cttggttgcg taaagatgtt 62220
cgtttttatt gccatttgat ttgcgagagg agaaaataca tttcaaggtt tttttctttt 62280
tttttaacct tttggaggtc cttgttagct attagcatat agtagttact ctctcatctc 62340
tttggtttat ctttgcaact gatgggaaaa gttatgaatt tctaatgtac ctggaagagt 62400

attttggaaa ttggttagtc caaaaccagt atatatactc tgaactaaag agagtataga 62460
atcttgtaaa ttctaaaaga tccttttaga agctctaaat cgcttttaga attatagtaa 62520
tttgtaccga ctggtacggc ttttatatag cagctcatta aattctgtaa tactccacat 62580
tttattgtat ttgacagttt atgagactgt ctcatacact tttaattctc agaactttgc 62640
aagatttgta ttcctatttc atgaataaga aaataaattg atttcagagg gtttgggaac 62700
ataagatcct gatacagtgg cagagctgtg gttggaatac agacttctaa tttcagatct 62760
gtttattcca gcaaaaaatt agcagttcat cagaattacc tggagtgctt ttaataaatt 62820
tctgagtatc acccccagat gctgattcaa tagagttggc ccagaattct gtggttttgt 62880
aacatttgag gatgagtctg atcatcatca gccaggtttg gaaaatacta gactaaatca 62940
catggttgtt aatagatact tatgctgggt ataatttgaa gtaaagtaat cccaggcgtg 63000
tctacaaata taaatttctt tatgtttata ttcagtaatt ttttttatga gtgtcactgt 63060
ttggcactgt tgcagataca atgttaggat acaataataa aacaaaaatt tcttgccctt 63120
aaggaagtta tgtcatagag tgggaaagac agtgaacaag tatgtgtttt tctgtcaggt 63180
gataaaaagt gctgtggaga aaaataaggc agtagggact ggaatgccaa agtaggggga 63240
gtttgcaatt ttaaatagga tggtgagggg aacgcttcaa tgaaaagtgc aattcgagca 63300
aaagcctgaa agaggtgaag agcagtgagc tttctaggca ggggaagcaa gttccaggaa 63360
ggccctgaga gaatggaggc tgcctgtcat gtttgtgcta ctgcaatgaa agcagcagag 63420
cgatagaagg tggatcagaa aaataatggg ggagctggac caagtagggt cttataagcc 63480
attgtaagct ttctggcttt tactatgggt gaaaccagga accatggcag agatgttggc 63540
agaggagtga cataagttga cttcagtgtt aaaagcatta ctgtggctgc actgttgaaa 63600
atatatgtaa tgggcaagac ctgaagcagg gagattagtt atagtataat atgaattata 63660
tttggtcctt gtctatggtt tccgttacag agctaaaagt cttggaattt cctgaatgat 63720
aagagtgtcc tgttattcag aatgagcctg tttgctaaca ccggggttca tactattgtg 63780
gtgacttagg atggagccgt agatagcctc agatggggca agtagctgga aagaccacat 63840
gattagagaa ttaacgggtt agaactttta gccccacgta caggcctcca ggaaaggagt 63900
ggaggggctg gagatcaagc tgtataaaaa tatcaagatt tggatttaat gagtgggttg 63960
ctgggggctg gtgccgtgta ggaggtggta tgcttagagg aagtggaagc ttcatacctc 64020
ttctgtccca taccttgccc tactcatttc ttcatctata ccctttataa tatcctttag 64080
gataaaccaa taaacataag taagtgtttg tttgagttct gcgagctgtc cttgcaaact 64140
agttatgccc aagaaggggg agtgggaacc tttgtagcca gtcagtcaga tgtactggtg 64200
gcctggatgt gggattggca tctgaagtgg agggagtcat gggactgagc cctcaacctg 64260
taggatctga catggtctct aggtagataa catccaaatg gaattggatt ataggatacc 64320
catttggtgt cctctggaga attgcttggt gtggggaaaa agcccccaca catctggtca 64380
caaaagtgtg ctgggaggat agaatatgtg aaaattgtca taatcaaaat ggagtcactt 64440
gtgttaaaaa agaaaaaaaa atcctgactg gccaggcaca gtggctgaca actgtaatcc 64500
caacactttg ggaggctgag gcaggaggat tgcttgatcc caggaattgg agaccagccc 64560
atgcaacata gtgtggcctt gtctctacaa aaaaaaaaat ttaaattagc tgggcatggt 64620
ggtgtgagtc tgtagcccca gctacccggg aggggactа cgggtgcacg gcaccatgcc 64680
caggaggtcc aggctgcagt gagctgtgat tgtgccactg cattccagtc aggatgacag 64740
agtgtgagac cctgtctcta ttaaaagaaa aaaaaaagac aaatagatcc aggaaaggct 64800
atgaagagag agctttcatg cataaatacc aaaatatctc aaaagactct gcaaaaacca 64860
cacccttgca caaaggccat catgaaatac ttctgaaata cacagaaaat acatcatgaa 64920
ataaatacac agaaaatact tctgcaagga catctgccca gcaactgcct ggtccatctg 64980
tggacgggtg tcatccttgt tattgatcct tgtagccaag ggtaattatc tcaaaacaag 65040
tatgtgatcc tccttatttt cctttaaaaa ccttttgtct tcccttacct ccctgaacac 65100
acacagttta ctatggcatg tgtattccca ttggaatact ttattcctga ataaatgtca 65160
ctttcttttt agaagcttct cttttctttt tatttagatt gataagtaga aaggaaaaaa 65220
agctttttтc cctttggact agttgaaggc agttgcagta ttctgggggа gagggtggtg 65280
gcagaggtgt tgaggcatgg ttggagttta tttatacttt gaaggtaaag ccaacaggat 65340
ttgctgaaag attgggatat ggggttggaa agaggaatca aggatagttc caagattttt 65400
ggcttgaaaa attagaagaa tggaatcgtg aattactgag ctgggaagac ttggaagagc 65460
aaggttttgg ggagaagatc aggactgtaa gaatagagaa gtccttgtcc ccaggagtta 65520
ggtttttggc tattaaagtt agatgtacta catagatttt tagttggttt tttgtttttt 65580
gttttttttt ttttttttтt tgagacggag tctcgctctg tcacgaggct ggagtgcagt 65640
ggtgcgatct cggctcaccg caacctccga ctccctggtt caagggattc tcctgcctca 65700
gcctcctcag taggtgagat tacaggcatg tgccacccag cccagctaat ttttgtattt 65760
ttagtagaga cggggtttca ctatggccag gatgggcttg atttcctgac ctcaggtgat 65820
ccacccacct cggcctccca aaatgctggg gttacaggtg tgagccacca cgcccagccc 65880
ggagttttgg tttttgaagc attcttttтc aagtgataaa gcaaaaaata tataatcaag 65940
aattttaagt atatactttg gaaatgttaa aaaggaacat gagtaattta ttattatttt 66000
tttaatttct agtcagcaat gagagcccag tgtactttat gaagtagatt ggtttacacc 66060
aggagtgagc agacattttg tatgatgcac aaacaaggaa tgatttтttt gtttttтaaa 66120
tggttaggaa aatatcaaaa taaaaaatgc cagaaaaaat caaaagaagg gccaggtgca 66180

gtgtttcaca cctgtaatcc cagcactttg ggaggccaag gtgggtggat tctcttgagg 66240
tcaggagttc gagaccagcc tggccaacat ggtgaaaacc tgtctctact aaaaatacaa 66300
aatagccggg tgtggtggca tatgcctgta atcccagcta cttgggaggc tgaggcagga 66360
gagtcgcttg aagccagtgg cagaagttgc agtgagccaa gatttgagcc actgcactcc 66420
agcctgggcg acagaggaga ctctatctca aaataaataa ataaataaat aaataaataa 66480
ataaatcaaa agaagaatac cctttcataa tatgtgaaaa ttaaatgaaa ttcaaatttc 66540
agtgttcata aataaagttt taccggaaca tagccatgct caatcattta tgtattgttc 66600
atggcttctt ttgcatacaa caacagagtt gggtagttgt gacagactat gtagctcata 66660
aaatctaaat atttattatc tagcccttta tcagtaaact ttgctgatcc ctgtataagt 66720
cctctgaatc aaattatttc caaagagttc cgttataaaa tttggagttt actctgctgt 66780
aaattgcaaa gaaccatttg gaaaacctct tttagtcagg tatttacatt aaaatgttcc 66840
ttgatttgta aacactaata ttcaagactg gtccaaaatt ataccaaatt gaaactctca 66900
agtgttttta aacagtagga agttttaact ttttttttct cgtggagtag tctatcattc 66960
agcgtttact ttggaacatt taattagtct tttttaaaaa cccatgaaat ttataataaa 67020
aattttaaat cattaatgtt gagtaatcaa agaaaacttt ttttgttttc tccatttgta 67080
aaatgagtac attattatta taatttgtct ttggccatac cttgttgata attacttata 67140
caagtataag aagacatggt atgttttcct ttttcctatt tcacaagaat aagtacagga 67200
atttacttaa gctgctccaa aactcagtga aagagacagg attaggtttt tttcagcatt 67260
ggattttaaa tgatactaga tggttgcgct gggctaaaat actaatgctt tgtgtatatt 67320
tttatgactt ttttgaagac agcttaaaag ctttattcta gttataaaaa tgatacatgt 67380
tcactgtaaa tagaaacaag tcaggtatac agagatacaa atatttagaa catgtggaaa 67440
gaggcaacaa aattttataa aaagaaaaaa gataaaaatc tgaaatcatt aatttataag 67500
ggaaaaatca gggcaaggac aaattatatt acagattggc ctatggtggg agcacagatt 67560
atatagagaa aagtcagtga agacacttgc gaagagtgtg ggtggaaatc actaagtttt 67620
gcagtcccgg ggcctcttat ggtttattac tgttttgttc ttttttttct tttaatatgc 67680
attcctttgg aaccaagggt ttattatgtt ttgaataaag tagaggtgta agtaggatgc 67740
atataccatg atcttgacta cttgagattc acaaagggtt ttcgtctcag gatttttttt 67800
tctcttaaaa aaatttgtat taatttttaa attgtaaaaa aattcatcaa cttaaccatt 67860
tttatgtata gagttcagga gtattaggta tattcacttg tgcagcagat ctctagaact 67920
tttttcatct tgcaaaactg aaactctgta cccattaaac aaccacttcc cattttcctc 67980
tcccccagct tctggcaacc attctagttt ctgtttcttt tctttttttt tcttttgaga 68040
tggagtctct gtcgcccagg ctggagtgta gtggcatgat ctcggctcgc tgcaacttct 68100
gcctgcgggt tcaagcagtt ctcctccctc agcctcctga gtagctggga ctacaggggt 68160
gcaccaccat gcctggctaa tttttttttt ttttttttct tttgtatttt tagtagagac 68220
gggggtttca ccatgttggc caggctggtc tcgaactcct gacctcaggt gttctgcctg 68280
cctcagcctc ccaaagtgct gggattacag gcttgagcca ctgtacccgg cctctagttt 68340
atgtttctat gaatcagact cagtacctca tataaacgga atcatacagt atttgccttt 68400
tttgtgactg gcttatttca cttggcataa tggcctcaag attcatccat gttgtagcat 68460
ggatgaatat acagttagga gttccttttc tttttaagt cttaatctcc agtttatttc 68520
tgtttattta tttatttttat tatactttaa gttctgggat acatgtgcag aacgtgcagg 68580
cttgttacat aggtatacac gtgccatggt ggtttgttgc acctgtcagc ctgtcatcta 68640
cgttaggtat ttctcctaat gctatccctc ccctagcccc ctacccgccg acaggccccg 68700
gtgtgtgatg ttcccctctc tgtgtccgtg tgttctcatt gttcagctcc cacttacgag 68760
tgagaacatg cggtgtttgg ttttctgttc ctgtgttagt ttgctgagaa tgatggtttc 68820
cagcttcatc catgtctctg caaaggacat gaggagtttc ttacttttaa ggttgagtaa 68880
tattccacat tatgtgtatg ccacattttc tttatccatt cacctatctg cagatgtttg 68940
agttgctttc acttttttggg aattgtgaat aatgctgcag tgaatgtggg tgtgcaggta 69000
ccttttcaag attctgcttt tgagtttttt ttggatacgt acctttttat gatgctttaa 69060
atacatatat gctatttttа aaggattctc agttttctga catatgatag gacttaggaa 69120
gtaatctcaa agcatcatgt tgacaggttg ttagttgatg gtgactgcag ctagttggaa 69180
agtcagaaga atctagaact tgtccattta tactaaagaa tttcatagta agtgcagtat 69240
tatgagtgta atgttcaatt ggtagaagag gctatctgag gggatttagt gcatttcagt 69300
tatctgttgg tgtgaaacga atcaccttga aacttagtcg ctcaaaaatt ttaatggtgg 69360
ctgggcatgg tggctcacat ctggaactcc agcactttgg gaggccgagg caggcagatt 69420
gcttgaaccc aggagtttga gagcagcctg ggcaacgtgg tgaaaccttg tctctacaga 69480
aaataccgtg gcaggcgcct ttagcaccag ctacttggga ggctaaggtt gtaggatctc 69540
ttgatcccag gaggcagagg ttgcagtgag ctgggatcgt gccactatac tccagcctgg 69600
ataacagagc cagaccctgt ctcaaaaaaa aattttaatg gctccattta ttatttcaca 69660
tgattatgtg agttgactag ggaattctta cacatcacac catgtcagct gggacagctg 69720
aaatgtccac atggctggca gttggtacta gctgctagct ggaagttgag ttcaaatagt 69780
cagccagggg tctcagttat tttccatgag gttctctcca tgaggccagc tgggctcttc 69840
acagtgtgat agctgggact aagaaggagt gttccagaag aagggcttgt cctcttgagc 69900
cagtgcttat caggcctcta tgtatatcat gtgtgctaat gttccatcaa agctagtcac 69960

agggccaagc caactctgta cagtgtaggg actggctgca ggagggcatg aattaccagg 70020
aggtgtagtt ctctagttca tagggagggc catcaagata gtagtctacc atacttgtgt 70080
aaaagaaggc attaattaac tattattatt attattatta ttattttaga gacagggtct 70140
tgctctgttg cccaggctgg agcagtagag tggggcaatc atagctcatt gcagcctcca 70200
actcctgggc ttaagcaatc ctcccatctc agcctcccaa gtagctggga atacgggagt 70260
gtactgccat gcccacctga aaaagaaggc atattttaaa agcagacctt tagtgtagag 70320
ggttcttgaa tttgttattt aaaatattct ggtagttttt aaacttagga aagacccact 70380
gattctttta gtgatatgtt tacattgttg ttatttggca taaattgtgt taatgcacag 70440
taagatttca tgaagtcatt aaaattcagc cacttggact ctaaacccaa taaagatgta 70500
aaacagcagt gctatgagat gcatattcag tttcaaaata taggaaacac agaaattact 70560
ctgtgcactt ttaatttgaa aatactttta aaatgtgtag tataatgtag tgtctgtccc 70620
aaaagagtaa cattcattat agtgtttctt tacgttgttg aaaattttaa attcacttaa 70680
cattagattt ttattaaagc aaaaatatgt tttccttatt agcttaccct tttgtaactc 70740
agattaaacc cttgattgtt caaattaacc tgaaaaaaat tattcttttg gaggccaaac 70800
ttttgattaa gtagttgttt gtctctaatt ttttcaaatt tatgtgtata aatataacct 70860
gtcatcaaat caatgctaac attctataca tgtttttcat gatatgaaaa ctataaaaca 70920
tgaagttatt tgaatttgtg tagtttttat cattttattt ttactttcca gtgcatctat 70980
cctttgggct ctaaatcact taataaccta atttctcctg atttggaaga atgtcacact 71040
ccacataagc ctcagaaaag gaagagctta gaaagcagct ataaggattc actttctttta 71100
gcaaattcca aaaagactag aaattatatt gctattgacg gtggaaaagt tttgaacagc 71160
aaacataatg gagaagtata tgacgaaacc tcgtcaaact tacctgatag tagtggtcaa 71220
cagaatccaa ttaggacagc tgattccttg gagcggaatg agattttgga agctgatact 71280
gttgacatgg ctactacaaa agatcctgct acagttgatg tctctggaac tggcagacct 71340
tcccctcaaa atgaaggatg tacatctaaa ctggaaatgc cactggagag caaatgtaca 71400
tcatttcccc aggctttatg tgtccagtgg aaaaatgctt atgctctctg ttggttagac 71460
tgtatcctgt cagctttggt gcactcggaa gagttaaaga acaccgtgac tggactgtgc 71520
tcgaaggagg aatctatatt ctggcggttg cttacaaaat ataatcaagc aaatacactt 71580
ctatatacca gtcaattgag tggtgttaaa ggttggtact aatatttttat ttttatttac 71640
ttatttattc atctggagtc agggtctcat tctgtcaccc aggctggagt gcagtggcat 71700
gatcatgtct ccttgcagcc ttgacttccc tggctcaggt gggcctccca cctcagtctc 71760
ccaagtagct ggaactacag tcgtgcacca ccatagccag ctaagatagt gagatggtgg 71820
ccccactgtc ttgcccaggc tggactcgat ttcctgggtg caagcaccct tcccgcctca 71880
gcctcccaaa gtgctgggat tacaggcatg agtcaccatt ccagcctact tgtctttaat 71940
tcttaaaaat attaatgttg agttttgtct cccagcatgt gggaaagatg tcatccattg 72000
cttctgtttc ctggaggcct gggagcaagg agcccaggaa cagtatcacg aagcttgaga 72060
taataccagt tacattatcc tgactgccca aaaggcagtt tttttgtttt tttttttttat 72120
actttaagtt ctggggtaca tgtgcagaac gtgcagtttt gttacatagg tatacgtgtg 72180
ccatggtggt ttgttgcacc catcaacccg tcacctatat taggtatttc tcctaatgct 72240
gtccttcccc aacccctcca ttccccatca ggccccagtg tgtgatgttc ccctccctgt 72300
gtccatgtgt tctcattgtt caactgtcac ttatgagtga gaatatatgg tgtttggttt 72360
tttgttcttg tgttagtttg ctgagaatga tggtttccag ctttatccat gtccctgcaa 72420
aggacatgaa ctcatccttt tttatggctg catagtattc tatggtgtat atgtgccaca 72480
ttttctttat ccagtctatc attgatgggc atttgggttg gttccaagtc tttgctattg 72540
tgatttttt ttttttttt ttttttttaa gacagagcct cactctgttg cccaggctgg 72600
agtgcgatgg catgatctca gctcactgca acctccgcct ctcaggttca agcaattctt 72660
ctgcctcagc ctcccaagta gctgggacta caggcgccca ccaccaggcc cagctaattt 72720
ttgtattttt agtagagaca gggtttcacc atgttggtca ggctggtctt gaactcctga 72780
cctcatgatc tgcctgcctt ggcctcccaa agtgctgaaa ttacaggtgt gagccaccat 72840
acctggccta ggcagtcttt ttcaaaactc taagactgtg cttgtgtctc agggtgtcag 72900
gataatagtg gttagtttta agtgtttaaa ctactgaaaa gcagaatgaa gaagtgagta 72960
aaaatcaccc ataatcacac aacctcctaa gatctcttgg cacaataagg gatatgtttt 73020
tcattttatt ctctgtaaaa taggatactt atgaacccac ctcccaacac aggaagaatt 73080
aaaacattcc caataactta catttaccta tgcgtttcct cccatcccat tctctacctc 73140
ccccccataa gtaatcatta tctgaaatgt gtttcatcat tccatctttt cttagttttt 73200
cttacatgtg tttatctaaa cagtatacag tagtctcccc ttattgtagt tgtacttttc 73260
ttggtttcat ttaacccgag gtctgaaagt agatgagtat agtacagtaa tatattttga 73320
gagagaggga gaccacattc acataacttt cattacagca tattgttata attgttgtat 73380
tttattatta gttttaatct tactatgcct aattataaaa cttgatcata ggtatgtagt 73440
tataggaaaa agcataatat ataaaatgtt tagttactat ccaaggtttt aggcatccac 73500
tggggtcttg gaaggtatcc ctctcagata atgggggatg gatggtactg aaccctgtat 73560
atacaatgtt tttccctata catacataat tatgatcaag tttaattaag agtaaattaa 73620
atgtgggcca ggtgcagtgg ctcacatctg taatcccagc actttaggaa gctgaagcgg 73680
gcagatctca tgaggtcaag agttcgagac cagcctggcc aacatggtga aaccccatct 73740

ctactaaaaa atacaaaaat tggctggcta tggtggcaca cgcctgtagt cacagctact 73800
ctgggaggtt gaggcaggag aattgcttga acccaggagg tggaagttga acaatcactt 73860
gaacctggga tcacgccact gcactccaac ctgcctgggt gatagaatga gactctgtct 73920
caaaaaaaaa aaaaaaaaaa aaaaagtaaa gtaaatgtgg ctcaacatgt tgctgtcagt 73980
tggaacattt gtttctgatc gtgtcttcca cccacaaatt gaatgctttt tccatcttaa 74040
cacttatcag gcactgtggc cataacttga gcagttgaga tgcaacagca aaattagcac 74100
aaatttcttt ttctttcttc gcagtttcat ggataagaga tttgttctta gatctcagca 74160
acctcagcat atgatttttt tctttaagtt gagaactttg acctttttac ttagagaagc 74220
attttacagc ttctctttgg catatctgaa ttgccagcat tactatgctc gtgctttggg 74280
gccattatta agtcaaataa gggttgcttg aacacaagca ctgcaatacc atggcaatag 74340
atcgcatcac caagatggct gctaagtgaa ccacaggcag gagtgtagac agcatggaca 74400
cattagacga agggaagatt cacgttgcca gtggaacaca gcaggacagc aagagagttc 74460
atgatgctac tcagaatggc atgaaattta aagcttataa attgtttctg gaattttccg 74520
cttaatattt tcagaccacg gttgagttca ggtaactgaa accataggaa gcaaaacacg 74580
gatgaagagg gaccacttcg tattgcctaa tttagtttgt tttgatcttc tgggaccttt 74640
ttttcttgtt gtaaaaattt atggggctgt ttatagttgt ggctcattga tttttcattg 74700
ctacataata cttccatttt gtaaatataa cagaatattc atctacctgt cagtggacag 74760
tggggttttt ttgccattat aaatgctgct gctgtgacca tttgggggggc aagtctcctg 74820
gggcacagta tgagtttccc ttctgtataa caaaggaatg gaaaattata gactttcgtg 74880
tccaaattta caagataatg acaattgttt tccaaagtgg ttgtaccaag caattctccc 74940
attaatagtg tatataagag gtcttcctga tccatatatt cttcttggtt tattttcaca 75000
cttttgagat ttttgctatt tgagtggtat aaaatggtct gtgatcttga tttgccgttt 75060
ccacattttg aagaggttgt cggctctatg tgtatatatt gctcatattt gttccctctt 75120
ctgtgaaatg ccttttgtat cttatcccta tttgttctgt tctgttgatt gtcacgtttt 75180
aattgatttg tatgagtttg ttccttgtat cattgttgct agagttacat cagatgtgtt 75240
gctgaatctg ctcccagttt gcagcttgtg tttttacttt ttaaaaactg tcttgattta 75300
tagggaagtc tttatctttt catttggagc tagtaatgtt tgtggctttt taaagaaatt 75360
attactattc ccaaggtcag aaaatcattc acctatattt taactgaaaa gttataaagt 75420
tttgcttttg acattgaaat ttctcattca gttggaattc atattgatgt gtggtatgag 75480
gtaaggatcc attttttttcc catttgcata gccagttttt gtagctccac tttattttct 75540
cacttgatct gccatgccac ctctagcatg tatcaacata tcatgtatgt gtgcagctgt 75600
tccttaactc tcaatttttat tctcttggtt actttgtcta acccagcact catacttttt 75660
aaattattat ggctaccttg tagggcaaga atcctcactt ttattcaact tcttttgaag 75720
tgtcttgatg catatttttt ctgatcttac ttggccatat atattttggg gacagatgtg 75780
acatcatacc aagctttctt tgcttgacat tgtagatatt ttcttattca ttaatgtgct 75840
aaaaattttg agtttggtca tacagtcttt tatatggatc ttatacatcg tttccctctt 75900
gttaaccatt caggctgtta ctagtttttg ctgttgtgaa ttaacaccag gacaaatatc 75960
catatatctt ttgaattaat tactgactag tttcctagga aagatattag aatatgaata 76020
ttaaaggtct tgctgaatac agttttcaga atggttgtac caatatataa ttccattttc 76080
attatgtaga aaaaatacct cagtgttttc taaccacctt tggttagaac attcaagacg 76140
ttatggtttt gttaggtaag aaatattttg tttcagtgta ggttttcttt gagactgaac 76200
ttttttgtgt gtgtcagtca tttacagttt tttgcaattt ttaaaattca gtttctcaca 76260
agcattttgc ctttgacttt tcttctattt ctgctttctc taattacaga aaccccagtg 76320
ttaagtaggt gacagttcag ttgtttgctg cagaagagca gcagttcaat attggaatta 76380
actttaattt tatgttttta atctgttact aatttttttac agaataattg tagtttttat 76440
aatctggtta attatatgtt tgagctgcat tactttgcaa tgtaagtttt ttttttggc 76500
atggtcaaat aacaaaaatt ctggttaatg cttatttcat attacaggag aatccagata 76560
tttcattagg gaaacatata agcagagtgt gatcaggctg tatgaattat ttataagaga 76620
tgtgagtgaa aagatctatt tgtagcttaa gagtaagtag agtcagatgc atgtagagtc 76680
ttttattcaa aataattttc ttattaatct tggatagttt cttgtcacag taattccatt 76740
ttgaagataa taaatattac cataaagaag tgatcaaaaa catagatatg tgtgcccaaa 76800
ggtatttatc acaatagtat ttataatagt gaaaaaagaa acaactaaaa tgtctggcaa 76860
taggagaatg attaataaag cgatgtttca gctgaatata gtggcatgcg cctgtaagcc 76920
cagctactca ggaggttgag gctgcaagat ggcttgagcc caggagttaa tgaccagccc 76980
aggcaacata gcaagaccct gtctccaaac acacaaacac acacacaagt gctatgtttc 77040
agtcactgta taataactag ccagattttt tgttgttgtt gttttgtttt tgtttttgtt 77100
ttttgagaga gcatctcact tgcccaggct ggagtgcagt agtacaatca cagctcactg 77160
cagcttgtag aaccctaacc ctcctgggct caaatgatcc tcccacctca gcctcctgag 77220
tagctgggac tacgggtggg taccaccata cccagctttt tttctaagag ataggggttt 77280
cactatgttg cccaggctgg tcagttttta atgaagcaca tttgtgtaga caaagcagga 77340
tgtggaaccg gataaacact atgttgccac tgaagacccc ttcaaacccc tcaaaaatga 77400
catagaaggg aaatatgaga tattagtttg ggaaataatt gtaactttat taagactcct 77460
tataaattta tctgttccta tgacctggct aagttcaata aaagttacac agagtggaat 77520

aaatggttag acatcatttg tagtataagt aattgcacat aaggaggtaa ctttagctgt 77580
tttagagata gacatagtat ctgaaaggtt agttatttta ctagacctgt gattatttgg 77640
gtgagaaagg ctttcactga gattttaccc attcagtaag tactaatgat attgtgctga 77700
tagcatatat taagggaata tatggtatac cacagagaaa gaattaagga aattttgtgt 77760
tttgcttttt gtctgtttgc aaaacttact gactcagctt tcattcttgg gaatgtgtca 77820
gttttctgtg ggaagatata cattgatgag gaattgataa tgttctctgt attttcttag 77880
atggagattg taaaaaactt acctcagaaa tatttgcaga gatagagacc tgtctgaatg 77940
aagttagaga tgaaattttt attagccttc agccccagct tagatgcaca ttaggtaagt 78000
aattggtaaa acttacttgt attatactca tctaccatat agaaatatgt acctcataag 78060
gaaatataat actgtttgat taccttggat gatcatattc ttgggagaga gaatctgagt 78120
agtttgactt aggaatctac cactgggtaa gttattgtag ggcagagctg ttccatataa 78180
atatgtaggc tggtgttcca cctcttgaga gtgggtgcag ttctcagaac caggagaatt 78240
ttaggggca tatcattagt tgcttctcta gtacgtttcc tagtagacag atctagcatt 78300
tttaacctca attgtgcatt aaaaagcacc gagggaattt aaaagtaaat gccaatgctg 78360
gggcatttga attaggatct cagggatggg gctcaggaaa tcagtaattt ttagaaaccc 78420
cacatgattg ttatatgtac ccagggttta gaatctcatc taaaccaacc atagtaattc 78480
tacttcccta ccagtgattg gtttaggaat gtccttgtgg tagagttttg gccagtggat 78540
attaagagaa atatgctgat ggccttttgg gaaagcttcc tcgcctttag aaagggcaca 78600
aggatgggac ctctttgttc tctgtgactt ggtttttggc ctgtgggagt ggcgtgcagc 78660
aagtgagcta gagagtctgt ccaaaccttt ctaaattttt ttagtattgc gaaaaggagc 78720
tgcggggttt ttttgtttgt ttttgttttg aaagggcttt ttgttttatt tttcttgtat 78780
ccttgtatta actcttctat taatgttata gtagcagaat atgatactcc ctattagtaa 78840
taacccatat tatgtaaaat atcagtgcct tctagttttt ctctcaatga gtgacattta 78900
acttatatta aaaaatgata tttatatttt ataataaaat cagttgttgc tactgatttg 78960
tctagcatgt acaaaagaca ccatgcttcc agatcattat aaaatatgat attttataat 79020
atatttacaa tatatttata acatatttat atacttagaa tatattttat aaggctgggc 79080
ttggtggctc atgcttgtaa tcccagcact ttgggaggcc aaggcaggcg tatcacaagg 79140
tcaagagatt gagaccatcc tggccaacat ggtgaaaccc tgtctctact aaaaatacaa 79200
aaattagccg ggcgtggtag tgtgtgcctg tagttccagc tactcgggag gctgaggcag 79260
gagaatcgct tgaacttggg agacagaggt tgcagtgagc tgagatcacg ccattgcatt 79320
ccagcctggg gacagagcga gactccgtct caaaaaatgt atatatatat atatatatat 79380
atgtgtgtat gtgtgtgtat gtgcgtgtgt atatatatat atcgggaagc atggcatctt 79440
ttgtacatgc tggacagctt ttgacgtact tctttgactc atgcttctgc cccctaattt 79500
tcacttttt tcctacattt tattaaaatt aatatataat agttgtatat ctgctttatt 79560
tttcatggac ttatacatac atatttattc tgttcttata aaagtctgat ttttcgtatg 79620
ccaaatttct gacatttcct cctctaggcc tgaagaactg ttgtaattta tgcatcagat 79680
aggccctcag atggaatgaa tattcttttt tctttatatc aaggtgtaat ttacatatag 79740
taagaccgtt tttaagtgtg tacagctctg taaccctcac tacaatcaag atataggact 79800
ctgtcactct aaaacttctc accaggttca tcacccccag ccactgatct gttgagcgaa 79860
tactcatttc aaaggagctt tttccgtaag atccctagag tttagatgga agggctttcg 79920
tggtgcattt agcagatacc atttcccttc tagactccct acttcagttc ccagttgaat 79980
taaagaatgg tttctccccc agcctgagtc actacccttc ttatccctga taattatttt 80040
tggaacaaag ttacatcttt tgctccacct ccgccatggg cctggttttc tatgtaacag 80100
aaggaatttt taaattattg ttttgtgtaa tcataataat tgggcaagca tacagctctt 80160
ttcagtgcag gaggattcct ctcttgtttt actgcccatt caaggatagg tgctatattt 80220
tagctgaaga tcttactaat gaaatgctct gtaatcatat aacttattta aagatgtgtt 80280
ttgagctctt tcataatatt ttaattcatg gagaacttta tgtattttag acctgaagat 80340
tttatattgt cattatgaaa tgtaaattgt ttgcttttc agttaatata tagttacaat 80400
agaatacgga tttaaaggct gataatgaat tacaaaattg tgctatatga catactgttt 80460
atgcatacag tgttgcatat tttcatttct aggatattga tttgtatttc tacttacaaa 80520
aaaacttttt aaaacttatt ttatggctgg gcccggtggc tcacacctgt aatcccagca 80580
ctttgggagg ccgaggcggg tggatcacct gaggtcagga gttcaagatc agcctggcca 80640
acatggtgaa accctgtctc tactaaaaat acaaaaaatt agccggacgt ggtgtaggtg 80700
cctgtaatcc cagctactcg ggaggctgag gcaggaaaat tgcttgaaac caggaggcag 80760
tggttgcagc gagcagagat tgcgccattg cactccaacc tgagcaacaa gtgcgaaact 80820
ccttctcaaa aagaaacaaa aaaacttttt ttaatgtttt tgttcaaaag tagcagtgag 80880
actatcccgc aaaggtgact actaaaatag cctttgtaac tactgatatt tatagaatat 80940
gcttagggtt agggtataac tcgcttgtat tatactcatc taccatgtag aaatatgtac 81000
atcataagga aatataatac tgtttgatta ccttggatga tcatattctt gggagagaga 81060
atctgagtag tttgacttag gaatctacca ctgggtaagt tattgtaggg cagagctgtt 81120
ccatataaat atgtaggctg gtgttccacc tcttgagagt gggtgcagtt ctcagaaccg 81180
ggagaatatt taggggacat attgttagtt gcttctctag tacttttccc agtagacaga 81240
tctagcattt ttaacctcaa ttgtgcatta aaaagcaccg agggaattta aaagtaaata 81300

ccaatcatag ggacatttga attaggatct cagggaaggg gctcaggaaa tcagtaattt 81360
ttagaaaccc cacatgattg ttattgctta ggtaataaca cctactgtct accttgtggt 81420
cctgccaagg tgactgttcc tggccatgtt ccaggcaact gtagttccag gctaggggga 81480
gaactggacc atggaagtga ggctctgtcc agggtagggg aagggatgga aggtgactgt 81540
tcctggccat gttccaggca actgtagttc caggctaggg ggagaactgg accatggaag 81600
tgaggctctg tgcagggtag gggaagggat ggaaggactc agtctcttgg gccaaatcgg 81660
taaggcagca tctaagctcc tctgagaata ggaaggagag caaccaattg gaaaaagaat 81720
gggaaacatg tagattctcc tgcttacctt actttccagt ctcaaagctg gaagccagca 81780
ttcactgttc agttattttc aatgacaaca agattcaaat cttcagttgt aaagttgtta 81840
aaggaaagga ttagactgaa aagttaagaa gaacggtaga tgaagagtcc aaagagttga 81900
ggctggtcat ttaaccattg tgtggccacg ccctctccac aggtggaaca agatgatcag 81960
aatagaaatg gccaattctg atgtgtttct acagtgtttc actgattaca ttttttaaca 82020
tctgtagcaa accatttcca taatttttct ttttttttct agagacgagg tctcgctctg 82080
tcacccaggc tggtatgcag cggcatgatc atagctcact gcagcctcaa attcctgggc 82140
tcaaatgagc ctcctgcctt agcctcctaa gtagcttgga ctacaggtgt gtagcaccac 82200
tctcagctaa tttatttcat tttatttttt gtagagataa tgcctcgcta tattggccag 82260
gatggtctca aacgttcata gaaactggtt ttaggttcct agaggctggc agcaattctc 82320
agaggtaacg caagcagtct tcctgccttg gcctcccagt gtgctgggat tacaaggtgt 82380
gagccaccac acctcatcaa tttttgtttt aatatactct aaggcttatc atagttccga 82440
gatcttttct tttttcctga gaaatctaga aagatggaag acagtatggg tcttttgtgg 82500
atttttgtc ctaagaaatt ttcataaatg tctgccaagg aaaaggaaag agatcaaagt 82560
ggtaattaaa tctttaggat ggacattttt agaaaaatgc tttataaact tcccctctcc 82620
caactctgag tgacttattg tgtcatactg tattaacaca tattcatgct gtaaatatag 82680
taagaaaaga caatagttca caattttggt ttagtttttg ccattattga ttatgagcag 82740
taattcttcc ttttcttttt gaaggtgata tggaaagccc tgtgtttgca tttcccctgc 82800
tcttaaaact agaaacccac attgaaaagc tcttcctata ttctttttct tgggactttg 82860
aatgttcgca gtgtggacac caatatcaaa acaggttagt ttcttttgtt ttttaaaatg 82920
ggttcttcta gtttctccac cactaaggtt aagagaacaa tttgagcacc agacactaca 82980
gtttgcttgc ttctttaaac tggaagggtc aaaacctcat cgtttgatag actgctagta 83040
ggatatttcc taaggagttc ttcagtggga aatagggacg atgagaggaa taatacacct 83100
cccttctcca gagtccttgc tgagtagaat acctctcaga atgccatgaa actgtaggca 83160
tttttgttta ttcctctatt agaaatgagg ggttttgctt gtttacttta ggtttctaac 83220
attatagaca ctagttttag gctcttggag gctagcagca attctcagag gtaatgcaag 83280
cttccccatt tcttcccgta gtcctgtgaa agaccagcca cctccagaag cctacacatg 83340
agtcttctca gccatacttt ctgcttttcc taatgcctct cagcagcgta ttagaaaggc 83400
catgatcgat gtacctgtta ccttcaggct ttgcataagg tgtatatgaa acataatgaa 83460
tttcgtgttt aggctcaggt cccatcccca ggttacctct ttatcttgga gacacttctg 83520
gtcccataca tttcagataa gagatattca acctgtaccc accacgtaag gagaggaata 83580
ggttttagaa gaggagtcag ggaggcaagg tattcccaga gggatattct cacttggtcc 83640
atacctgaga aagttgctgg ctggcagtta ggaagatgac cagactggct caattgttcg 83700
tgtattcaaa ttattacaat agaaataact ctttccaccc ccccccgccc ttttttttct 83760
tttgagttgg agtctcgctc ccgtcacaca ggctggagtg cagcagcgtg atcccggctc 83820
actgcagcct ccacctcctg ggttaaagcg attctccttc ctcagcttcc tgagtagctg 83880
ggattacagg tgtgtgccac cacgcccggc tgatttttgt atttttagta gagacagggt 83940
tttgccatgt tggccaggct ggtcttgaac tcctgacctc aggtgatcca gccacctgag 84000
cctcccacag tgctgggatt acaggtgtga gccaccatgc ctagccacac ttttctttag 84060
cttaagtgct taagttagaa aacttgaagt ctctctaagt tactcaagta aaatgtgaga 84120
taaaaatatt acttttgaag gccgggcaca gtggctcaca tctgtaatcc cagcactttg 84180
gtaggccgag gcgggtggat cacgaggtca ggagtttgag accagcctgg ccaacatggt 84240
gaaacgctgt ctctactgaa aatacaaaaa ttagccgggc atgatggcgg acacctgtag 84300
tcccagctac tcgggaggct gaggcaggag aataacttga aacccgaagg tggaggttgc 84360
agtgagctga gattgcacca ctgcactcca gcctggtcaa caagaatgac actccgtctc 84420
aaaaaaaatt aaaaaaaatt acttagatat tcattatcta aatatgaaat ccttttttagg 84480
tatttaagga gtagtcaagg agagttcagt ctgggaggat gctccaggga atgcaggcaa 84540
caaaggtttt gtttttttct taactggtta actcagatct actagaacag ggtaagggag 84600
gccacagagt agacaccatg agcaaagcta accctcctga gttgaaaaaa ttatggacga 84660
gaagttatca ttgaaattaa ctgttggcag acatatccaa agaatatcgc aaggatttgg 84720
tccctttatg catcctgaga cagatgaatg tgtggaatgg cagctggtgg gcaacagagc 84780
gatattggca tggtggtgat acagggaaat agtttcatcg tgttaaaagc catggaacaa 84840
agatacataa tggctgctct gcagaaaaat ccacgtcccc tctccaaagg gcctgtttta 84900
ctctgatgta aaaattgggt cagataaatt ttcatattaa gctttttgtt gagtaaactt 84960
ttgtaatagt ccccaaaact cccactagaa cagggtgaga attaacgttt tattcatacc 85020
taggacttaa ataatttagt gtaagcaagt gagtatgaga acacatctgt ttccagtctt 85080

ctatcattgc tttatataaa ttctctggtt ttctcctcac agtaactcag tgaggaagat 85140
cctagtgtcc tcatttggca cgtatggata tgacagcttg aaaggggtta gattgattcc 85200
caagatgaca cactgtaagt ggcagagtca ggagacacac ttaggctctt ctggcctcta 85260
agactttctt gctcactgtg gtatactcct taatcactac ctgggtttta aataatataa 85320
ataaccttgc tgattaaaat cagcttaatt gtagcttctc tggaatccat atcttagttg 85380
tttgacagtt ttcggttgag tgtcttctgt gtgttaggaa ctcaggcact ggaaatagtg 85440
tatctttgcc aaatttacta attaggtaga gagataatac acgaacacat aatagaggtc 85500
cagtgacttc gtaattaatc tgatctttgg gctgcttaac gttagctttg aatgcaagat 85560
gttaaatgcg ttttagagat atatagcaca aactgtgaga gctcaaggga gggaagccac 85620
tagccgcttt tgtttgcttt tttgtttttt aaaaataatc ttactttgtt ctaaaaataa 85680
aagtagttat agagggaaag ctaaaatgaa gtgacgtttt cttaaatatg ttttaatatg 85740
tcataactta aaacttattt ccacttaatc tgaaggagaa ctgtccagca aattcctttg 85800
tttttgtgaa gctgttttta gtgccagcat aagggctttt tactcaactt ggaaagtgta 85860
acccagagtc agttaaaaac atagtcttca gaggcagatc tcaggtctgt tatttatcac 85920
tgtactctat gtgtcacttt ccccatctgt aaaatgggga taagaatagc acctgcctct 85980
gagagttgtt tggaagatga gtgtccagtg ccatgccctt tgcacatagt ttaagtgttc 86040
agaaatgtca gatgtcatgt ggagaattaa cacttacttg ctgagacagt ctccttttta 86100
taaactaaac agtaggagcc tttacataac aattatcttt gaaaatttaa gaatttagca 86160
gaaatcagtg catttgttga tatctttatg ttgctttgct tttaaaatgt taacctccct 86220
gactactgat gtttttaaca gacagtgctt cctcacaaga tttataagta tttgctattg 86280
tttagaaagg aagcttgtat ctcttaagta gctgctcttt aaattacaaa tatttttatt 86340
aaagtggatg cagttgaggt ttagtgtaca tctttaaagg tcatcttttt agatggcgtt 86400
gctctcaagt attcagacta aagtgcaaat ttagaacttg tgtaacctgt gaaaacaaaa 86460
tttgttcaca attaatgctg tgtgtgtgtg tgttttttct ttaaggatta aaaaaagtta 86520
agttgtatgt attcctgatt ttatgtttgg aaacatcccc ttttcatttt tggttgtctg 86580
taatggctag ccagtttgag ttatttgagt aaggggtgag ctcttaataa atttgacaac 86640
cttagaacag tggttcttca ctaagggcta ttttttcccc cttgggacat ttggcaacat 86700
ctacagacaa ctggatgccg ttactggcat ctggtgagga gaggccaggg atgatgctta 86760
acatcctaca gtgcacagga cagtgcttca cagcaaagac tctctggtga aaaatgcagt 86820
gataccattg aggaaccctg tctttttttc ttgcttcatc tcatagttga aagatatggg 86880
aaattaacat ggagcatctt cacagagctt ctttactaga ggtagggagg aacattgcca 86940
tattaacatg atttggggaa ataagaaagt atgaatcacg aaaaagggga ggaatacttt 87000
tagacattgg tttaaattaa tgtaaatgca tttaacgtta atgaatttgt tatgtcattt 87060
ttttataggc atatgaagag tctggtcacc tttacaaatg tcatccctga gtggcaccca 87120
cttaatgctg cccatttttgg tccatgtaac aattgcaaca gtaaatcaca aataagaaaa 87180
atggtattag aaaagtgagt taaaattgtc ttataatttt tagtacaaaa tgaaggtgga 87240
tttacatttt tcttaatgtg taggattgaa aatggtgaca acaacttacc tttctgaaat 87300
ttgagttaac atatatttct gggttgccag ctgcctcgct ctatctggcc agtgagccca 87360
ctgtcacggt gaagccactg aaaagccaac ttaggctgac tctctggccc cactctccta 87420
gtgtctttcc ttctttttgc ctttttttctc cctttaagga tatcaagctt cagtttttct 87480
ctcctctgcc aagtgtatgg agtttctaga attctgggat ttccttaatc agatttcaag 87540
aactaagatg attcaaagat aagccacagg ctcatctctc tgaatttcca tcttctccta 87600
gatctcagca tgctaattcc tcatcatctt gaaagctatc tagtggcctt gagcagatat 87660
attttcattg tattttgcca gcttttctgt ttgtcctcag ttggggaggt tggtcagcat 87720
taccttttcc agtattacca gagaaccatc tgtttaaact cacaggtcag ttccatctca 87780
ggccgtttcc ctctgtctca ttaatgcact cacacatgta cacaacctct ctactcttca 87840
ttttcagtct aatcgtacat taaggaaatg ttttgaggtc taatttgatg taataaagaa 87900
ccgggaacat taacctttat gcccttgaat gtgccagaaa cccttcagaa tctttcctaa 87960
aggtttattc tcattgaagt aataaatcct cagtttatca gtgcttacag gctcaaaagg 88020
gaaaaagggc agtagtcccc tgttccctcc tccaggtatc tactttaaac cttcaaatta 88080
aggtagtatt tacttttact tttcaaattg atgtgcctat tctaccgtaa tgcagtctgt 88140
tctccttta tagtaattga gactagggtt ctcacaccaa cacctgggcc ccatctctgt 88200
ttagcctttc cctgtccttt caatgcaatt gcgtatttgg ctaactcagt actcggtgtt 88260
tgcattgtta ttaatataca tgtgttattc cctcttcagc caagcagtat atatagttag 88320
gtttcacttt tacaattctt atttttccgg gaattgttat ttgccttgtt ttcatttgtt 88380
ttattatgta ctgtgagttt ttgccaaata ctttaaagac ttattaataa attttcaata 88440
ctcagatgct tcacagtttt ttactctgtt cctctcccct ttttttcctg gaactctttc 88500
ctgccacctt tcactctttg ctgcagtctg cgctggttcc tctctgggcc tgcagcatag 88560
ggtgctcttt attatgtaca cacttccagt cactatcgta gtttttagcc caaggcctca 88620
tccccacatt ctatcacatc tgttgcccat aaatatccag tcctttaggg gttctctggg 88680
aaaaataagc tcttctttgt catcaacata tgcactccgt agtactcatg tcttcacttt 88740
gcccgttctg ctgggtaagg tgccacttct ctgtttgctt tctgtcctct aaatatttga 88800
cttcttattt gcttatttcc ctttctttgt ccttttggac tcatatcttt tttgcccctc 88860

actattattt gatagcattt gtgtaggagg gcgaagtggg aaggaagagg aggtgtctgt 88920
atctgtctga agattacaga agtctgtaat ctgtcttggc tgccaggtgt cagttttgag 88980
atgtaaatgt tgatgatgag gtgaggagaa gagcagcaga gcatggggtc tgccatcctg 89040
ccttggacca tggcctgctt taggctgctt ggtgtatatg atttcatcta gctgttcata 89100
cctgcttttt cctgtgcccc agcactgaac atagactcgt accattgttt tgtgtaatct 89160
gttaattggt tgcactgcag catatatatt ttttaactat acaaataagt tgcttccctt 89220
aaagattcat gctctgatct ggaaatggat tcattaggta aaagtctttt aatggaaaat 89280
gtgttttgag ttccagtggg ccaatttatg agcagaattt ataatgtggg catttcctgt 89340
tttcttcaaa agtaaattga actagtgtat gaagtttcac ttaaatttta aatgccaagg 89400
tctttatata agtcctttgt gttttttaa ttttgaaatt tgtataactt gatttgtttg 89460
tgtctaatgg aatttagaaa taaatttaat atagttttta gggctaacct aaaagtaatt 89520
gggttcatca tggtgtcata tgtaattaaa acatatagaa tcctaaaaac taattaagtt 89580
ccttggacac cttatctcac ataacccaca tctctaatgt ctccccattg ggaaaagagt 89640
ccattgataa atcaggtgaa ttatgcctag cgggcccaaa tctgctactt ttctttaagt 89700
tgtttaggag ttacattcag accatggtga catggagcac caagaactta gaatcagatt 89760
tcattttact tgacaaactc ttgaaaggtc actgccacag tctctcttga gtgcaaggct 89820
atggctatgc tttgtagcac agggacgcga tatttctctg ctatctttgg gtagcagagg 89880
ttaacacagc tcccttgtgc tttctttctc tcttttctat tttcttttct tttcctaagg 89940
atagatcttt aaataggagg agtttaaccc catgttaggt gaattcaaat ggatcttagc 90000
ctgatgtctc ttgttctctt ttggttccag tttggttaat tcctttcatc caattttcca 90060
gtggttgagg gagaacctaa cttgctctcc tcgactctga gcatcatcct tcactgacag 90120
ttcaggcatt gtgggtagga agaagtctga gaacaaaacc tagggataaa gtttagtaga 90180
gatggggttt caccatgttg gccaggttgg tctcgaactc ccgacctcag gtaatccacc 90240
tgccttggcc tcccaaagtg aggctggaaa taagacatgc tggaattgta agtaggacac 90300
tagagtctag gggaatcaaa gaggaaaatg aacagaaaag ggaaggggaa ggatattatt 90360
tgattgactc caagatgcta ctgtttgtaa gttttaccat tttaaaaata tgccattaag 90420
aaagaaatgc tggccgggca tggtggctta tgcctgtagt cccagcactt tgggaggctg 90480
aagcggacag atcacctgag actaggaatt tgagaccatc ctggccaacg tggtgaaacc 90540
gcatctctac taaaaataca aaaatcagct ggatatggtg gcacatgcct attgtcccag 90600
ctactcagga ggctgagaca ttagtactgc ttgaactggg gaggcaaagg tttcagtgag 90660
cagagattgt gccactgcac tccagcctgg gcaacagagt gagactgtct caaaaaaaaa 90720
aaaaaaaaga aagaaatgct gcttatttaa ctgtgttctg tcaatgttaa ggtgtatccc 90780
gacttcagag atgttaacaa atgggaaaaa atttggaatt cattaggcat ttggaactta 90840
caaagtttcg gccgggcata gtggctcatg cctgtaatca ctttgggagg ccaaggcggg 90900
tggattacct aaggtcagga gttcgagacc aatctggcca acatggtgaa accccatctc 90960
tactaaaaat acaaaaatta gctgggtgtg gtggcatgcg cctgtagtcc cagctactca 91020
ggaggctaag gcaggagaat cgcttgaacc caggggcgg aggttgcaga gagctgagat 91080
cgtgccctgc actccaactt ggacaacaga gtgagacgcc atctcaaaaa caaacaaacc 91140
aaaaaaaaaa aaaaaatttc atagttacag aaagtagtat ggaggccata ccgagatttt 91200
cgacatggta gtaaaactct gcattatggc tctgttctgc atcatctctg ttctgcatcg 91260
tttcactcca catcagaccc tggatagctt tggtgtactg gtcgatcttg tggcagtaag 91320
gctagtgtaa ttaagaggat attttaaaac ttaacatata attgctctag ttgttgtctc 91380
ttttttgctg gttaagaaaa tcaaatttct atcctatctg aatctcatag cagactttgg 91440
agatttctga caagtcattt cttactacct aggggaatgt acttgtactc agctagagtc 91500
tgagtatctt ctacatccag ggaattgggc tgagtgtgga ttttggtctt ggcagttttt 91560
acttttatta atttgcaaaa gaatagaaga cttggaatgt acaagaagca taaaaatgtg 91620
tcaggtggtt ttacatgcgt tatttatcac gttaatatgt cttaagatat tttccacgtg 91680
taaacttatg taaaggcagg aaactagtga gatttcatat tctagggatc aagagattgt 91740
tttagtaact agcctcagaa agtatcttga aaggtattat ataaggtcaa ggaactaaat 91800
attagtaaag agtcaggcca ggcgtggtgg cttatgcctg taatcccagc actttgggag 91860
gccaaggcag gcagatcact tgaagtcagc agttcgagac cagcctggcc aacatggtga 91920
aaccctgtct ttactaaaaa tagtagtgtg tggtatggtg gcgcatgcct gtaatccagc 91980
tcctcaggag gctgtggtgg gagaatcact tgagcccagg aggcggagat tgcagtaagc 92040
tgagattgca ccactgcact ccaacctggg tgacagagct agtgtctgtc tcaaaaaaag 92100
aaaaaaaaaa aggtcagata ggtgcctaaa gcctgtgtgt ctcgctatga gaatacatct 92160
caagttttac tgtggttcat tgattcagac atgtagttca cattttaacc tgtctgaaat 92220
ggtaatatgt gaaattgatg tcatgatata gtttaattgg cagcatgttt tcatagtggt 92280
acattttata attagtgaaa tcttagattt gatgaaatag atatgatttt ttaaagtggg 92340
aaagtttagt gttatagaca gtttgcagga ctttttattt tgtaggtact taaattttga 92400
ggacttaatt attctctaat aaagtgattg acaaggatta atgtataaat tataccttgt 92460
cagtctgaac aatctgcagt ttggacattg attcaaattc atttaggctg aataaatttt 92520
gataaactaa gtaagttttg acagctattt aaatattggg aaaggggata ttcaacattt 92580
ttcttacatc ctgagagctt tgttaaattt agttatttga gacccattgg gttctatttt 92640

ctggttcagc atgttgctgt aatggtaaaa tacaattttg aaattatagt tgtcttgaag 92700
ttaataataa attgaccaat atgttgtatt tttttctcta cttagttaca aattgaactt 92760
ttcctaagta gaacttttaa tttgacaggc ccccttttgct tcctgaggta actgaaatag 92820
gccaaattaa tgctttttttg aatatcttag gtttgttgct ttctttcaca tgttacctac 92880
cccacttaac aaaagcaatt aatctcagca cttgatgcca aagaaaattc taaaaggtct 92940
ggatttttttc cttggatttt acaaagtagc tacaatggga cttttaagac aaagctgcat 93000
tgctgcttac agagcaattt ttgtttaatg gtctgtgtta gagtcatact gcatgatgac 93060
ttccaactgt ctgggatacc attctgaaaa gggtttagtg ttacatactt cttagagaga 93120
gttctccatt tctaattaag gcacacatct ggaggtgctc aagaaaaatt agtgcagtta 93180
gccttggaag tgttatgtgt gactagttca cttcagacat cttttgtata atcagacaca 93240
tggcattaaa tttatttaac ttctcttgct tttctctccc acagagtatc tcccatattc 93300
atgttgcact ttgtagaagg cttaccacag aatgacttgc agcactatgc atttcatttt 93360
gaaggctgtc tttatcagat aacttctgta attcagtatc gagcaaataa tcatttttata 93420
acatggattt tagatgctga tggtaagtgt ttagaggttt tcttttaaga taattggcat 93480
agaaactaaa ttctagcatg tggggacttt ttggtttttg ttttataaaa aaagacaaac 93540
tttgtcctga ctctttctct ctccattctc gcctttgcct tctgcccctc ctcgcatcta 93600
ttaaaagtga tggttttagt atcctgtctc atttttttcct ttccttacat catgtattat 93660
aggtaaacac atgcgcatgt gtgtatttct cttttagaca aaggatgaga ttactactgt 93720
tagctcagtt ttttttcccc tacttaacat ctttgctttt atttttaga catatttcta 93780
agactattaa acattagact tacgtagccc ttctgtcatt gtgaaataca tagtttacta 93840
acagctacca tcaagataaa gcctttattt aaataattaa acttcttagt ggaaagctaa 93900
gtaagcacag tttatggatt ttgggaattt ttgccttgca tttgtctgat atggtaaaat 93960
attgagtttg tttttctcat aatgttcact ttgtcttaga caagataact caatcccctt 94020
aaagggttgt atcaagccat tgataagggc tcactttgat ataaccattt tctgttattt 94080
agacactctt tcacacttcc tattttcctc ctggggatgg tttgaatgga tgacacaata 94140
ccatattata aaagcacttt acaaactgta acttatgtta taaatgtaat tattacctta 94200
aggttttacc ctgtttcaga tttgagtgga agtagttctt tacaatacaa aacaacttat 94260
tttaacttttt tttgcatttc aaagaatgat caatccactt caggtgcagc atggtttcca 94320
accctgacag catggaagaa tcatttattt agcttctaaa aatgtgcagg ctgtacccta 94380
gaccagcctt ggggattagg cccaaatatc aatgttgggt gtttttggta ttggtttttg 94440
gcccgcctac ccgcccttcc ttccttcgtt cctctctctc attctctctc tctctctctt 94500
tctctctctc cttctttgct ccttcattcc ttctctctct ctctttttttt tttgagacag 94560
catctcacta tattgcccag gctgttctca aactcctggg ctcaagtgat cctcctgcct 94620
cagcttcctg agtagctagg actacaggca catgctatgg caatactgtt ttaaacattg 94680
ttttcaaggc tccccaggtg attccagtgt gggtcatgtg gtagagaacc actgacacag 94740
gcaaacaaag gatacataaa gttgtctatt taatgggtag gtgcaggtag tagataagag 94800
tgtagccaca taaaccacat gcttagtgaa cggttttgtt ttgtgtgtat gtgagggatt 94860
agcatctctg agtatatttt gttttccctt ttgaaactta tcagagaatt catatgtctg 94920
ttatgtgact aatgctcaca ttaaaaaaag ttatgtgact ttttttaatt catatgtctt 94980
tttaattcat ttattcattc atatgtctgt tatgtgacta atgctctcat aaaaaaagta 95040
atgctcagtt tacttttttt atatcagatc atatatatat gtttttttttt ttgagatgga 95100
gttttgctct tgttgcccag gctggagtgt attggcgcag tcttgtctca ccaccacgtc 95160
tgcctcccgg gttcaagtga ttctcctgcc tcatcctcct gagtagccgg aatacacgca 95220
ggcgctacca tgcccggcta attttgtatt tttagtagag acagggtttc tccatgttgg 95280
tcaggttggt cttgaactcc caacctcagg tgacccaccc gcctcggcct cccgaagtgc 95340
tgggattaca ggcatgagcc accgcacccg gccatatctt atattttaat aaatatttta 95400
atttggtctg taaatttttc tttttgggga atgtgtttta agtctgtgtt gagtcctaga 95460
catttgttgt tctcagatag tcactagtga taccttaaca ttaaccagcc tgttggcaac 95520
taaattggcc tgaagtgaca actaaggaaa ggtctctttc tcctttctta atctttgcat 95580
tccttaagat tagttctttg taggaaggct ttgaagtctg gtggcaagta ccctttatcc 95640
ctcacaatct taagataagg tctttctgag cattaaaaag tgactgtggg agatatgtca 95700
aatgagtttt ctgtgtgtgc tctgagaaat ctttttttca aaaaaggata gatgtacttg 95760
tataaggaaa agagaaactg agcgcacttt caatatttaa gtaagtgtct ctaacatgtt 95820
ttgcaacata aaatgatgac cactgtgttg gtcattactt ctctactgct aaaacaatgt 95880
tttctaaaat aatatactcc ttagaaaaaa atatagtgct ttgggtgtgc actgttgtaa 95940
tccaaggaat aggaaatgtt ttgtagtaag tgcgatggtg tttgacatcg tgatttatta 96000
atttatcaca tttggtttca tagaaataga gtaagctacg tatttgctgt gccgcaatta 96060
ccatgacatt acacttgtat ctatttctgt ttcatagatg tgtagatatt gatatataca 96120
gtggaagtat ggattgtttt gataagtttc taatgaaagt acagatattt gttgattatt 96180
tattaagaaa ggttgttact catccaagcc cgtggttagc ttttcccaaa ttatcatgtg 96240
gtagtaagta aaatgtaaag aaatataccc tcccttaacc ccacaccacc tgttagcacc 96300
tagccacctt cctttacttc tcagccgtac tttttgtatt tttttgttgt agtggtaaaa 96360
tataaataac ataaaattta ccattttaac atttgtaagt gtacaattca ttggcattga 96420

atacattgtg tgcaaccacc atcaccatca ggacttttc atcaacccaa acagaaacta 96480
ctcattaaac aataactccg catccttcca ccccaaagcc ctggtaacca ctattctact 96540
ttctgtctct gtgaatctgt ctattctaga tacctcatag aagtggaatc gtacattatt 96600
tgtccttttg tgtctggctt attttactca gcatattttc aagattcatt tgtgttgtgg 96660
gatgtagcag aatgtcattc ctttctaagg ctgagtagca ttgtatgtat tatccattta 96720
tctgttacgg acatttgact attgtgaata atgctgttgt gaacattggt ggacaaggaa 96780
ctgaaagtcc ctgcttttca ttctttttgg cataaaccta caagaggaat tgctgggtct 96840
taacggtaat tctgtgttta atttttggac gaactgccag actgtttcca cagcagttgt 96900
actattttac atccccacca gcgttacaca aggattccaa tttctctaca tccttgccaa 96960
catttgctat tttctatttt tttttaataa tatccatcct aatgggtgtc ttttttttt 97020
tttaaaggaa tggtttaaac aggttacctt cttactcctc attcatgctt tagttgacta 97080
cataaggacc cctctcccta ttggcaccat tgaaattgtt caggcaaaaa taactgccag 97140
cgacacactg ctttaagtaa tggacttttc ccaagttttg tattaatatt tcagtatttg 97200
gtagtgcatc ctactgctag tttttaaact cttcccttgt catctatcat ctcattctct 97260
cttgacaaat gtgaaaatgg aagctcagaa ataaaacaag aattaaaacg aatagtgatc 97320
cttcaggtaa caagcttcat ttatcatgaa aacatatatg tatgaaacat tctgttttct 97380
gatgttattg gataaattag gtgataacca aattctaagt tccaaaaatt aaatatactc 97440
tatctaagga ctttaacatg gcagacaatg gtgacaaggt caagaacatg ttttagagtc 97500
ttctcctttg gtcggtattc aatgatacaa cagttgaaaa ggccagaaga aagttaacct 97560
aggatggtgg tttttgaata tctaactttc acttctttcc catcttccag gaagttggct 97620
ggaatgtgat gacttaaaag gcccatgttc tgaaaggcac aagaaatttg aagttcctgc 97680
ttcagagata catattgtta tttgggaaag aaaaatatcc caagtgacag ataaagaagc 97740
tgcctgcctt ccacttaaaa agactaatga ccaacacgct ctcagtaatg agaaaccagt 97800
atctttaaca tcgtgttctg tgggtgatgc tgcctcagct gaaacagcct cagtaactca 97860
ccctaaagat atatcagttg cccctcgtac tctttcacag gacacagctg taactcatgg 97920
agatcattta ctttcaggtc caaaaggttt ggttgacaat attttacctc tgacacttga 97980
agaaactatc cagaaaacag cctcagtttc acagttaaat tctgaagctt tcctgttaga 98040
aaataaacct gtagcagaaa atacaggaat tctcaaaacc aatactttgc tatcacaaga 98100
atcactaatg gcttcttcag tatcagctcc atgtaatgaa aagcttattc aagaccaatt 98160
tgtggacata agttttccat cccaagttgt aaatacaaac atgcagtcag tacagctgaa 98220
tacagaagat actgtaaata ctaaatctgt gaataatact gatgctactg gtcttataca 98280
gggagtgaag tcagtagaaa ttgagaagga cgctcagtta aaacaattcc ttacaccaaa 98340
aactgaacaa ttaaaaccag aacgtgtcac atctcaggta tctaatttga agaaaaaaga 98400
aactacagca gattctcaaa ccacaacatc taagtcatta cagaatcagt ctctgaaaga 98460
aaatcagaag aagccatttg tgggaagttg ggttaaaggc ttaataagca ggggtgcttc 98520
ttttatgcca ctctgtgttt cagctcataa tagaaacact ataactgatt tacaaccttc 98580
agttaaaggg gtaaataatt ttggtggctt taaaactaaa ggtataaacc agaaggccag 98640
ccacgtatcc aagaaagctc gtaagagtgc aagtaagcct cctcccatca gtaagccacc 98700
agcaggccct ccatcgtcta atggcacagc tgcccaccca catgctcatg ctgcttcaga 98760
agttttggaa aagtctggaa gcacctcatg tggagctcaa ctcaaccaca gttcttatgg 98820
gaatggtatt tcttcagcaa accatgaaga cttggtggaa ggtcagattc ataaacttcg 98880
tctaaaactt cgtaaaaagc taaaggcaga aaagaagaaa ttagctgctc ttatgtcttc 98940
cccgcaaagc agaacagttc gaagtgaaaa tctagaacag gtgccccagg atgggtctcc 99000
aaatgattgt gaatcaatag aggacttgtt aaatgagcta ccatatccaa ttgatattgc 99060
cagtgagtct gcatgcacca ctgttcctgg tgtttccctg tacagtagtc aaactcatga 99120
agaaatttta gcggaattat tgtctcctac acctgtttca acagagctgt cagaaaatgg 99180
ggaaggtgac tttaggtatt tgggaatggg agatagtcat atcccaccac cagtaccaag 99240
tgaattcaat gatgtttccc agaacacaca tctgagacag gaccataatt attgtagccc 99300
caccaagaaa aatccatgtg aagttcagcc agactctctg acaaataatg cctgcgttag 99360
aacattaaac ttggagagtc cgatgaagac tgatattttc gatgagtttt tttcctcctc 99420
agcattaaat gctttagcaa atgacacatt agacctacct catttcgatg aatatctgtt 99480
tgagaattat tgaattaatg cttgttaact tttttcatat aatatttatt attattagaa 99540
gaacttacaa tgtgttcagg tagtgtttat acactggact tgtgtaatta cttgtgtaat 99600
aaccatgaac aaaatgcaag gtttaacctt tggttctgcc catgaagcat gtaatctttc 99660
ttacacatta aaatcactga atgtgttctc ctttttggtt tcattttgtt cttgtgagag 99720
tatgaggatt tcaaaatgtt aaagatgaaa agtggcgtct agtttctgac agtttgtaca 99780
gttggatgca ttacattttt agatttgaag ttttggttat gttagtgtta tgagtgatct 99840
ttgtggtggt tttcttcccc tggaaacctg ttgctcgtgg cgctttgccc acggtgcccg 99900
agttcttgtc ctgtgtccag atatgcagac aaatgaaggg tgaagaagaa gaagaggagc 99960
tttatttagt gttagaacag ctcagaagga gacccacagt gagcagctcc cctgtgtcgg 100020
cgggcaggtc gtccctcaag tgttcagctc tcagcagaga aaaggccctg gagagggtga 100080
ctcctctcag ctctcagcag agaagcagcc ctggagaagg tagcttctgt tcgcaggcag 100140
attgtccaga ggtcctgctg ctctcagacg gggccctgga gaggatagct tctatccata 100200

ggcaggttgt tctgccgtct ctacaggtct ctgaagctct tagcagagag ggtagctcct 100260
ccctgttgct ggtcgtccca ccctctgctc agttctggct gagcctgggg cattttacgg 100320
gcctcggggg aggaagtgca tacttactgg cctggaaaag gcaccagttc ccactcctac 100380
aggtgggact ggcagcctgg ccctcagcct tcaggccctc cctgttcatg gcttccaggc 100440
ttacccccct gctttgatct gagagctggt gccaatagca gggagaagcc aagctgcaga 100500
ggcaagcact tccgagcctg caaaagcagg cccccaaaag tgcagggatg cctgagtctg 100560
cacccgcacc caggagggtg gagatcttgc ctgctccaag gctgcagccg gaatgatagc 100620
aggctgactg gagcacctgc caccatcatt agttcaagag tttatgcaga tttaagttgt 100680
atacggtata tgaatgtgtg acagttttcc ttatggttgt gtggccttct gtaagagcct 100740
acgcctgttt gttacaccgg tagagtgctg tggaatgtaa actttcccta tgtcacttat 100800
ctcctttatc tctccataca gaggagggca agaaaccttg ttacttgaac tttagtaatg 100860
ttaagtgatc aataaatcta taaataaatg atagcagaaa aaagttacct gtttttgtga 100920
tgatgtacaa actttacatg ttatcacaaa taccatcttt cttcccaaga catttacttc 100980
tgtaaccaaa gtgggacacc atctaacagt tctgttttgg gagagagtaa taaccagtgc 101040
ttgtgaggct tgttagatgt tggttgtgat atatgagata gatgttattt catttagacc 101100
tcaacattcc tgtgcgtgag atacttttat cacatcttac agataaggag actgtactca 101160
ttcagttgtg gagctgagat tgagtagagt ggctattaca gcagttgagt gctgagctta 101220
tcaatatatg ttccactcct caggcttcat ttaaagtagg atgcccaaac agcaccactg 101280
ccgtagagat ttgagttaac agcagtactt actgaggttt aaggctggca gccagtgtcc 101340
ttgcagtaaa attatttgct agggactcag tacttcataa tctatttgtc agatttactc 101400
ctaagcttct gtgttgtttt attttttttc tgacaaaagt agtgcatatt gtcaaggaaa 101460
aactaggaaa ataccaaaaa aaaagatttt tgaccatgca ttttaatact tagtgactac 101520
aaacattttc ctattttatg catatagatt ttaaataaac gtgagatcct attgtatctg 101580
ttttaatgga taaacattgt ttcactgttt taagattctg aggtgattta tactgtcttg 101640
ccattgttaa ttgcagcagt tagccttgtt gataaatttt tgcatggatc caagttttgt 101700
tttccaggag tggagttgct tggtcaaagg aaatgcacat ttaaggtttt ttggtgattg 101760
catgactgac ttccctgggc cctcgccaac actaggtagt agtattggga ggaaggggag 101820
aaccaatcct gggtgctcca agattactag tgagcctgaa cattttctat aactattgtc 101880
cacttgagtt gttgttttgt ttttttttg gtggaggcgg gggtgggttt aagaattgct 101940
tatcctttgc ttgtactaat tatcttttca acaaatattt ctagattact gctaaggacc 102000
aagcactgtt atcagcctga gataaggcag cacactagaa ggaaatcctt gctccttttg 102060
agtttgcctt ccaaacatgg agatcaatat ataatgttag gtagtaatag gagatacatg 102120
cagttgattc atgtcatttg tagtagttat ggtcaataaa gttgccttga acactgaatt 102180
agtataaact gaaatactgt tcctagggga aataggttcc tgctagcctg tggtcatgag 102240
atttttgtca aacaatcact atataacctt ttctgtttct gtttaaagac atgttatttg 102300
atctatatgg ttgattcttt acattaacat ggccaacagc actgtaactc agcctgaacg 102360
aagcttatct gacacatggt gttctccata aggcacatca tagctttctg tgcttaggaa 102420
cactagacgg cacttcagca ctgcacttga ggacgtttta aacagtgaaa tcaacaaaaa 102480
gcacaaaaaa atgcaacaat aggctgggca aggtggctca cgcctgtaat cccatcactt 102540
agggaggccg aggcgggcgg atcacgaggt caggagatca agaccatcct ggctaacacg 102600
gtgaaacccc gtctctacta aaaatacaaa gaattagccg ggcgaggtgg caggcgcctg 102660
tagtcccagc tactcgggag gctgaggcaa gagaatggtg tgaacctggg aggcggagct 102720
tgaagtgagc cgagattgcg ccactgcact ccagcctggg cgacagagcg agactgcgtc 102780
tcaaaaaaaa aaaaaaagga acaataacaa agacactagt cccccaaaaa tacacttgtt 102840
tacagtgtga actgaaagag gaaggtggag tattgacttg tttgacctca gctggaaatg 102900
tgcacgtcct gtgactcaaa tttttctctg ttctgtgcat gcatgtccac gaataaccac 102960
aagaagcact gaaagcattg atttttaggg ttacaaattá attttagcaa gtaaatgaat 103020
tcacaaatac ggaatctgtg agtaatgagg actgattctt ttttttttg gagatggagt 103080
ttcactcttg tagcctaggc tggagtgcaa tggcatgatc tcggctcact gcaacctccg 103140
cctcccgggt tcagcctcca cctcccgggt tcaagcgatt ctcctgcctc agcctcccga 103200
atagctggga ttacaggctt gcaccaccat gcccggctaa tttttgtatt tttagtacag 103260
acggggtttc accatgttgg ccaggctagc ctcgaactcc tgacctcagg caatccaccc 103320
acctcagcct ctcaaagtgc tgggattaca ggcgtgagcc accgcgcccg gccgaggact 103380
gattcttatg tcagatggca ctaaatgcta tggagaagag gagtggatga gagggagaag 103440
tattttagac caggtagact tggaaggttt cttggaggtg ggtgatgttt gagaagaggc 103500
ttcaataaag ttagggagct cgccatgtga ttgcaggaag agcgttccag gagaacaaaa 103560
gtcatgaaga gtgagtgcta ggcatgtgtc tggtctgttt gggctgctat aacaaaatac 103620
cttagactgg gtaaaatgta taaataatag aagtgtattg cttatagttc tagaagctgg 103680
gaagtccaag atcaaggtat cagcacattc tggtgaaagc tgctctgctt catggctggt 103740
tctctcactg tcctcacatg gcataagagg ggcacagagc cctcaaccgt ctctccagtg 103800
gccccatctc ttagtactgt tggattgggg atttagactt cactaatttt ggggggacac 103860
aaacattgag accacagcag catgactgag gataagcaag aggccagtgt ggttgagcag 103920
agtgatcagt gaaggagagt taggacatga gtaaagaggc tagcagacac cagatctcat 103980

atggctttgt aggccatagt gaggactttg tttaagctga gaataataga taacctcagg 104040
aaagtttcag gcaagagggt aacatgatct gatctgggtt ttaaaaggat cactgaagtg 104100
gggagactgt ctacagatgg tctgaatagg agtcctagtc tattacaatc tccttggagt 104160
ttagggtggt aactggaggt gttcaagagt agttggatta ctgttggatt tcaaaagtag 104220
agccaacacg atatgtgcat tggctgtgag gtagaagagg agtcaaaatg aactccaggt 104280
tttattgact gagcaattgt gccatttcct gagatgggtc agatttggga aggaaagaat 104340
ttaaagggga taagataatc ccattaggag tgtgttaagt gtgagattcc tattagactt 104400
tcgagtggag atgatttaat aggaagatag atctgcaaca ctggagctca gcggagaggg 104460
acaccctgga gatagccgtt tgggaattag gaatgtgtgg atcatgttat aggatggggt 104520
catttaggga cttaaaacag ctctgaagaa caaaaatggt gccttgatct tggacttcct 104580
ggtttataga actgtgagca atatatatat atttttttca agacagagtc ttgctccgtc 104640
atccaggctg gagtgcagtc gcaccatctc ggctcactgc aacctccact tcctggttca 104700
agcaattctg gtgcctaagc ctcccaagtg gttgggacta taggtgtatg acaccatgcc 104760
cgactaattt ttgtattttt ttgtagagac agggttttgc catgttggcc aggctggtct 104820
caaactcctg acctcaagtg atctgcctgc cttggcctcc caaagtgctt ggattatagg 104880
cgtgagccac catgcccaga ctaaatttct aacatttata aattatccag tctaagatat 104940
tttgtgatag cagcccaagc agaccaaggc aaaggccaag cacacttgct cctcctgact 105000
tttgctcttc ctggaatgtt cttcctttag tcacatggtt gcctgcctag cttcattcaa 105060
taggagtgtg gtgccctgaa aatacaagga agaatgcttt tctttttttt aaaaggaagg 105120
gatgattatc tgtcagatgc tgctgaaaaa gagtaataga gtaattggcc actggctctg 105180
gcaataggga agttagctct gctaactcca catgaacagt ttcacatgaa caagtgtgag 105240
tgggctcaag agaagggatg gtgagaaagt ggagctatgg actcactctt gaaacatttt 105300
ctggtgcctc gtagggcaat gtgaggtcaa ggtttttgtt actgttctga agatgggaga 105360
ggctgacaca tggatgttgt aggtgagaga aggggcgctt gcgggggcaa acttctccag 105420
ggatgggatt ccagtgtcta agaggaggcg gtgtgaccct aagagctaga aaaattattt 105480
tattaatagg aaagacaaag tacttaggct cagatgctaa gagatttgct gataaaagaa 105540
tgagaacggt ctcttctgat tattttcttg gggaaataaa tagatcatca gctgagggtg 105600
tgaggggaga aggagttgaa catggaggaa gacaggtgtg aaatattggt ctcagaatgg 105660
agagcgaatt gaatagggac atgcagtggg cttgctaagc tgtgcggaga gcccgtggga 105720
agtttatggt catcaattta atggcgacca gccaagatgg tggtttattt ttctccagtt 105780
gtatttaact gctcaggtgc aggacagaga gactaagtgt gaagttaatt tcagccaacg 105840
tagaggaatt gtcaggcaga tgggacaagg agatagagga gaaaaggaat aaggcttcct 105900
gcaagggtaa tgattgtagg gatggataag taaggaacac aggaagtggc tgtctgctga 105960
gtggtggcag agctcagtgg gtcagagcaa ggttcaaaga atggcagaga ggcacttgtg 106020
gaggaagtaa gctggctaga aagtagtgtg cttgaaatta agcttctgga gatagcaagg 106080
ttacaggtga tgacaaagtc tgagtatgac aaggaaactg cagggccaga gttggcaaga 106140
attcatgaaa aatgaggaga aagaggcacc aagaggctgg gatagcacat ggattgtctc 106200
tgtgtgaggc aaagtcatct aaatggcagc agtggcccta gcagaaagaa atatacagtg 106260
agccggagca aaaatcctca aggacaggca gaacgccatg aaaacggcag atgacagcca 106320
aaggagcagg ggcaggggct cagtccaaag tgtttcagag tcactggagg gttgagtggg 106380
aaggggaggg agtggctgaa atggcaacaa ggaagaacct ctctcatctc caggcccaaa 106440
agtatgtgga atgcgggaga taagacagcc accactggcc agggctgtaa agggacattc 106500
agcgaatatt caggttccat ttagcacgac agcagggaag ggactgttgg cagaaaaaaa 106560
ctggggcagt gggattaaag acagaccaca cattccaaaa ggcaccgtgg gagggtcagg 106620
gggcgaggtt aggtctaggc ttcagtgtcc tgggagactc agtcttcaca gggtgacagc 106680
gatcaagagt gcagcttagg ctgggtgcag tggctcatgc ctgtagtccc agcactttgg 106740
gaggccgaga cgggaggatt gcttgaagcc aggagtttga gaccagtctg accaacatgg 106800
caaaacccca tctctactaa aaatacaaaa atcaactggg catggtggcg tgtgcctgta 106860
gtcccagcta cttgagaggc tgaggcaaga gaatcacttg aacctgggaa gcagaggttg 106920
cagtgagctg agatcgtgcc actgcactcc aacctgggca acagagtgag accctgtctc 106980
aaaaacaaca acaacaaaaa agaaaagagt acaacttatg aaggggtctc ctggggagag 107040
ggtttttggg attctcctgc ctctcaaagt gctgggatta tgggcgtgag ccaccacacc 107100
cagccgaggg aggctgagtt ctaattgttg tatctctctt gggattggcc tcctgggcag 107160
tttaaaagac aaggcaagga atcttttgga gaaagagact gggggcaagg tgtgtctgaa 107220
caagaagtgt gagaagctct gtgggctccc ttcagacttc cagtcgttga attgggatct 107280
catttatatc agctctaggt gtaacgatat taaatcttct ctgtcatttg gcaattttgg 107340
tttatgcttg atcatcattt ttaatgtttc gacatgtaga agtttaacat tattttacat 107400
tcttttcctt ctggcatcat gttttagcaa gattgtttcc accaaaagaa tatatatatc 107460
ttctaatgaa actacgtttc ttttttttt ttcctttgct ttctcttttg gtatatgaat 107520
ctttgattat ttgtaatgta ttttgatgtg taacactgaa gtttctattt tgtactattt 107580
ttttccccaa acagtaaact tattgttcaa atacttattg aacaaccttc actattcttt 107640
aaccatttag aatacgccat tcacatatct ttcatactac atttaataac atttttaat 107700
taaaaaatat tctactgatt tgtttatttt gagaccaggt tatgaaactg gctaattttt 107760

gtatttttgt taaataccga aattcactgt gttgccaagg ctggtctcga actcctgggc 107820
tcaagcaatc tgcccacctt ggcgtctcaa agtgctggga ttacaggtgt gagccgctac 107880
acccggccac acccggccaa cacatattat ttgttattac atttaattcc cacagtacat 107940
tgaaattatc agggaaaagt tttcagtgaa acattattga acgccacatt aaaagtgtaa 108000
attacaaaga tttaatgcca atttttcaga agaaaaaaga ccaggaggaa ggtctatgaa 108060
gttttagcca gtctctcatc cacctaccat ttcacgatca tgcactgtgt aagtcaggaa 108120
aagagtaaga aaagtgaaag atacaattga ttagagagtt ttgctggata ctatagatga 108180
aaagaacaca aaatggaaca gcctcttcaa gcttagagtc aacggctgta gtcccaaaga 108240
ctgtagtcag aggcggtagg gccaaaagac atgacttatg gcattggagg aagaggatgc 108300
tttgggagtt catggtagaa gaggcggaaa aaatctggtg gattaaagaa agcatcccaa 108360
agtgacatta aactaatgac taaattctga gctgttttca ggggcaaagc ctgtttgggc 108420
acccctgcca cacttaaaga gtcacctagg tatggttcgt gggctctgaa caggcctgct 108480
cagtgaacat atttgtgact gtttctccgg ccctttagc tgtattgagt aaaatttaaa 108540
gagaccattg ttttggccta agctcctgcc ctaggcccaa agaacagacc aaacctgaat 108600
ggcttcactt gtcctaggtg ctgtgtactc aaactgaact ttgaaacagg tcggtttttc 108660
aaaaaaagca aaagattcac agcaaccaat tagaagaggc ccggtcaacc tgagccagca 108720
tgatgaggct cttctgcttt aatcctacaa ggaaagaaac tttgaaatga ccaatctgct 108780
ttcattcttg gtttctgctt tctttggtct atttctgcct gtaaaaccta tctcctctgc 108840
tcagctcatt gaagtaccct tctatttata gatgggatgc tgcccgactc atgtatcgct 108900
agtaaaagcc aattaaatta ttacactcga tttgttggaa ttttgctatt ttgacagctt 108960
ttcaaaaaca ccagtaggtt cacatcccta attccccagc cagtgttccc tcaaggaacc 109020
atggaagaag caaaggtggc tgaaaggcgc ctcaggatgc ttctaagcac ggcacatcca 109080
tgaaaaggca cttactaata tttgcaggat agcaaagcac tgcagtgacg ataaatctag 109140
tattggagaa gttcaaaata atcagtagat taacacagaa gccagagctt atagggagaa 109200
aaggaaccct atgaaatact tcaaatccga aaacgaacat gcatttcctg tttagttagt 109260
gcaggtacgt aaaagcttgg taaagtaccc ttcttgccag ctttctcttt cttacaagcc 109320
ttttcactgg gctgggaggc tgatattatc taaatatgct gaggaggttc aagtatctcc 109380
acaactcacc tcagagtgaa tgctcccctc ggccttaagg caatataaac cagccctgtt 109440
tagcaggata gcaaaatgtt tgcggttgta aactggtgtc ccattggctg tggcgcttgt 109500
ggtgtaaaga atccctgtgc ttggtaatta atagagaaat tctatatttt aaacttcagt 109560
tgtatattgg ctcttatcca tggcagattt tcacgtatgt gttatttttt tatttattca 109620
gagccggagt ctcgctttgt cgcccaggct ggagtgcagt ggcgcgatct tggctcattg 109680
cagcctctgc ctcttgggct caagcaattc ttctgcctca gcctccctag tagctgggac 109740
tacaggtgca tgccaccacg cccggctaat tttttgtatt ttagtagaga tggggtttca 109800
ccgtgttgct caggctggtc ttgaatttct gagctcaggc aatccgcccg cctcggcctc 109860
ccaaagtgct gggattatag gtgtgagcca tcatgctcgg ccctatgtga tatttattac 109920
aatgaattcc aatgatcaga cctatactca agtataagtg aatatatcat tcaatgaagt 109980
ataaatgatc attatgttca tattcacaca tacaataatg tactcaagtt tattgctaag 110040
gtaattcaga atctccttat tttgaagtgt gcatttgata tacctgtttg ggaataacta 110100
gtttcttatc tttgacagaa aataattttg ttgttttgtt tttactaaaa aagcatggtg 110160
aaaaatggct ccatttctaa gagaggtaac taaaatatcg caatttgctg ggtgtcatta 110220
aagtaactca caagggaaaa aatgcaaatt ggtatctgct gatggagtaa atctccgcag 110280
aagtgatgac cctgaaagga tcaatatatt aaagcccctc ccagctggtc attccagatt 110340
gcaacaataa agcattaagt gttaaaacct caaggcagct ttttttttct ttttttgtct 110400
caagtccttt attattaatt ttatagacct acttaattac taagccaaaa aaaatcaaac 110460
ttgtttctct ttgtgacttg tcaatagtat taaactattc tggtttttta tttttgtgtt 110520
accttaaagt ctccagttta gtaatttttc tgtacctaaa cacttcggat ttgacatgct 110580
ttgtggcctt tatcagtagt tagaatgtaa atccaataaa taaagtaaaa gccaggtctt 110640
caaaacctgg gggccaagaa ctctgtttta gagggcctgt gactctcttg gacactggac 110700
aaaatctcat ctctaaatat ggatatttta gggagagggt ctttaggctg tcatttggat 110760
tttcacaggg ctccatgtat ccataaggta gtctcttggg aagtttgact tcaataaatg 110820
aagtttaact taaacctaaa atgaaattta actgaaaaac aaaatccaat gaaagatgct 110880
ttcttatgca aaaacaaaca aacaaaaaaa aaacaaaaaa accccaaaaa acccaaagcc 110940
aaagattgtt tctgaaatta ggttctaggt tccagagcaa ctccatggtg gggaatcagc 111000
cacatgtaaa gtaagctaag agtttggaca atttgtaata tttattccta ggtttcttta 111060
agacccttc agattttgaa ttcctattag tagcatcagc caggttctaa atgtaggcat 111120
caccatagac acttccccac tgctgcagtc cccaacactt gcccaatttt cccttgaatt 111180
gcacccatgc tgccttctcc aggcctattt gaacccagaa cctcgttgtg cctcgtttga 111240
aatataattt cctcctaact agtctctgat ctactatttc ccctacattg ctgccacact 111300
aatcacctaa aatagatttc attctaccct gaaacagaaa tctctaataa gttactccct 111360
tcccttacgg ggtaaagtta gccacatcct aggtattcaa ggaccttcca ggagctaaga 111420
acatttcccc tgcaccttct tgaagtacac ttgtcctatg tactggttat gttcatttct 111480
taccctcgct ctcgttttgt ctggaatttt ccttggcctt aaatgcctct cacctgcctg 111540

cccacatctc tcagggttgt ttcaaatcct caatgaaggc tcacagcccc agtctatgtt 111600
ggccacttac ttcgtggcct gggaacattt ttctttggct gacttgctga cactccatca 111660
gatgcatttt tatctggttg tccatctgtg aaccataccc tgagaaggca gagagtgcct 111720
ctgcactgaa catgtgctag gggacaggtc tgtgctagag gggcaagcac tgggaatgaa 111780
gaactggtcc ctactcccaa ggagttcata tctcagtgga ggtgacaagc aactcactgt 111840
ttccgggggt tgtggtgact gctgggagaa ggggtgtcta tattagatcg aagcagcatc 111900
aggggaggtt ccctgagaag gtgatgcctc agcggatgtc tcccagctaa gtggggtgga 111960
ggtggagaag ggcagagcag ggagaggatc taggtggggc gtgtaagtct gcatgggtaa 112020
ctcagggaac ccttggtaac tgcatgtaac tgtgtgaagc tttcatgaag gaacatggta 112080
ggagactagg gtatggacta tagaagccct tttgctaagc tcaagaattt gaggccggga 112140
gcggtggctc acgcctgaaa tcccagcact ttgggaggcc aaggcgggcg gatcacgagg 112200
tcaggagatc gagaccatcc tggctaacat ggtgaaaccc cgtctctact aaaaaaaaag 112260
tacaaaaaat tagcggggcg tggtggcggg cgcccgtagt cccagctact cagggagctg 112320
aggcaggaga atggcatgaa cccgggaggc ggagcttgca gtgggcggag actgtgccac 112380
tgcactccag cctgggcaac agtgcaagac tccatctgaa aacaacaaca acaacaaaaa 112440
atttgaagtg tatcttgaag gaaatccctt ggagcctaaa aatgatcatt gataacagaa 112500
aatgatctct gctctcgcct agggtaatat attcagcttc aaagtggaag ggcatgtttt 112560
ccaagggcat gttttctaag tccctgtaat tgtagtgata gcaaatatat gccctgcatc 112620
ttgaaatgta agactaggtt tgaacagtat ataaattatc ttatgatcta atttcccctc 112680
attttgtggt ttctactata agctacccag aagtgtagac aggacgtttg gaatttgatg 112740
ggcatcggaa agattcctac ctaagaacat ttttttttct ttttttttct ctgagaagga 112800
gccttgctct gtcacccagg ctggagtgca gtggcacgat ctcagcttac tgcaacctcc 112860
acctctcagg ttcaagtgat tctcctgcct cagcctcctg agtagctggg actacaggtg 112920
tgcaccatca tgcctagtta atttttatat ttttaataaa ggcaggattt cactatgtta 112980
gccaggctgg tcttgaactc ctgaccccat gatctgccca ccttggcctc ccaaagtgct 113040
gggattacag gtgtgagcca ctgcgcccgg cctctaagaa aatttttgag agctacttgt 113100
tctgttgcct ggaattccac cgtaagtacg acgttgtgtc tccttctcca gggctactaa 113160
ctaaacaaca gagggtattg tgttatcgac aattatttga ttgataacta tcagcaaaca 113220
tttgccaagg cattccttta aagatagcct agtgactcta ttaactactc cttcttccag 113280
gcttctaagt tctgttggag gtaagtagat cccagagata aagcacctac cataggacct 113340
gaatcttggt agaaataaat tatatcatca tgttatcata ttatcatgtg ttttttatat 113400
tttaaagtct tatgtgaata ttctgcttga aaaatatgtg tcctctgtta gaccagagtt 113460
gaaaatatgt tattcaagaa cttgtaacag gaacccgcac aatttctgct ggagtttaat 113520
ttcagggtta attctgtcag caatctaagg taaacattaa catttttccc tagattcaag 113580
tccgttgtcc aaaagctgta acagaactta actgaataaa tagtttctta agatggtaag 113640
cttccatatg cttataatga ctcctctaca cgttttcatc tggaaggctg ctcatgcttt 113700
tggaagcaaa gaagacaatc ttaaataact acatttgctt tttggtggtg ccagattttt 113760
ctgagaaaca ccaatggaat ttataaattc accagtcaat gggcaattga gttgctgttt 113820
tgctattacc actgccgttt gtgagcattg ttgggaaggt gtcttgaagc acacgtgcaa 113880
gtttcccttg gataagtagt aggaatagaa ttgccaaacc atggcttcca gtgcagacac 113940
agtctctccc ttgggcccag ccactaggca ccacacatta agaggatatt gtctgtccat 114000
gtcctagaaa cgttgtagca tcatgctcct attcgattaa aaatctcatt attaaaatga 114060
accatcgggt aaatgttgtc tcgggaaaag aagcactgac cgtccctggg tgggctcgaa 114120
ccaccaacct ttcggttaac agccgaacgc gctaaccgat tgcgccacag agacccagtt 114180
actcaggccg cgctgcggtg tgtacagatt tccgcggcgc cggcagccgc tctagccacc 114240
ctgggcgtcg ccaccccagg cgttgccacc ccaggcacgg gctgagaagt cgcggggcgc 114300
gccgaggagg cagcggaagc ggccgaggtg cccagcggcc gccgcggggg gagaggctgt 114360
gccccggcgc gcgggagggg gcgggcgagg ccgcgtgact ccgggcttct ctggggacga 114420
agcgcgcccc tcgtggcggc agcggccagt ggtccgcagt cggcccggac tcggggtagg 114480
aaagatcctc tcagcaatgg ctgcgcgcca tgcgtgctct gcggcgggga ccgtgccggc 114540
cgggcgcgcc accagtaacc agggacccag gggagaacct gccaagggga ataggtcgca 114600
cggagagaat acgacacgct tggagggaag aaccacgtgc tgtacaggtt taaaggatgg 114660
agagtcacgt gcgcttaggt cccaaactta agggacctaa ccctttttct gggttgccgc 114720
tattgcccct tctccttaga cagtttttca tctcatcacc tctcaccccg taaaatgcaa 114780
cgaacataga taggctgtgt atcaatgtag actgtatgta tatctgtgct tcgtacataa 114840
aaagaatatg atttttgcca ccttctaaga accaatttgc accccatttt gaggcatatg 114900
gcctctgttg agattgcata gtttagggga catcaaaaaa gccttataga gggactggca 114960
attaagatag cctttcagtt tgaaatggcc attgaaggct tctccctttc cctgacttct 115020
gaattttttt ttttttttct ttttttttct tttgagatgg agtcttgccc tgttgctgga 115080
gtgcaatggc gcgatctcgg ctcactgcaa cctccgcctc ccgggttcaa gcgattcctg 115140
cctcagcctc ccgagtagct gggaatacag gcgcctgcca ccacgcccag ctaacttttg 115200
tatttttagt agaggcgggg tttcgccatg ctggccaggc tggtctggta ctcctgacct 115260
cgtgatccgc ccgcctccgc ctcccaaagt gctgggatga cattacaggc gtgagccacc 115320

gtgcccggcc aatttttta ggcgcactgt tcagtggcac taagtacatt cacattgtta 115380
tgcaactatc accgccatcc atttccagaa ccttttcatc ttccgaaaca gaagctccct 115440
acccattaca cggtaactca cgattccccc cctctagtcg gaacaatcac cattctactt 115500
tctgtccctt tgaatttgac tactcttaga gacctcatgt aaatggagtc atacggtgtt 115560
tgcctgtggc tggcttattt cacttaccat atgtcttcaa ggtccatcca cgttgtagcc 115620
tgtgtcagga tttccttcct ggataaggct gaataagctg cactgtatgc aggtatcgca 115680
ttttgctttt ccattcatct ctccgtgaac attagggttg cttccacctg cagctatgaa 115740
catgggtcta caaataactg attccctgct ttcaattctt ttgggaatat acccagagat 115800
ggagtagctg gatcacatgg tttgctattg gctgtaccat tttacattcg caccaacagt 115860
gtacaagagt ccctatttct cctcatctat tttttttta aataatgggc atcctaatgg 115920
gtatgaagta tcatctcatt gtggttttgc tctgcatttc tctaacgatt agtggtgttg 115980
ggcatctttt ccagacacca ccaatctgaa ttctatggcc cttcgtttac tcacttcctc 116040
ccagcaagag ccatttctgc ttcagcaagg aggaagctgc gactgataga gggaaagggc 116100
ccaggggct tgcagagtgg ggcctgtgcc atgcaaggag aggagaagaa ggtggatctt 116160
tgagtaggac tatctggaga tcctgctttc acaaggtcct tgcttgtgtg ctgggcagct 116220
tttggagcta gttatcttta ttttagccct tgagggatat ttaggcatgt ggtgcttgtg 116280
agcagccaat ccatgaagaa ggaactgatg gtctccacct tggaaatatt ggaagagata 116340
atgccgtcca aattgcagtt ttagaagtta acttaaaatt atgctatttt aatggaattt 116400
tgggtgcatt tccatttct tcttaagaat tgctggaatt tcttaagtgt ttaggtgatg 116460
atctcttttt gtgattcctt ttttaaaaaa caacaacaaa atctttcaaa tacataagaa 116520
ataggccggg cacggtggcg taatcccacc actttgggag gccgaggagg gcggatcatg 116580
aggtcaggag atcaagacca tcccggctaa cacggtgaaa ccccgtctct actaaaaaat 116640
acaaaaaatt agccgggcgt ggtggcgggc gcctgtagtc ccagctactc gggaggctga 116700
ggcaggagaa tggcatgaac ccgggaggcg aagcttgcag tgagcctaga tcgcaccact 116760
gtactttagc ctgggcgatg gagcaagact gtctcaaaaa aaaaaaaaag aaaaaaaaag 116820
aaagaaatag acctttattt ttctgtaact ccacaaaatt tctattttga ttccctatta 116880
ttttgctatt gtcaacacag tctcagtcaa ttcaagatcc tgtttgtgcc tttccctgga 116940
gtcatttcca agtgctaagg ctttggtcca tgagtcgcat gtgcacactc atggctgtag 117000
agggagtttt gctcccggtg aaggtcttgg tggctcttct ataccttgat tgagggaaag 117060
gaatcttatg tgaagttagc tttgttgtat cagatattcc ataaagccat ttctgggaca 117120
gtcccctctg tttatcggac cacaagcttc tctgtcctca tcaagcccac ctttatactt 117180
catttctcca gacttcatgt ccagactgtg ggatgaacaa gtggttataa ggttttagag 117240
gctcctgtag gactagatgg aaggcaaaaa aaggaaataa cctttaagca tgctctcgat 117300
tccttaaatc ccatctgaaa gtcttaagga tgtcttctca gtcatactta tttgacaata 117360
ttacctaatt ttctccatta gcccaagctc aggggtcttt cttcttccat attcacatgg 117420
gtgcaatggt tttctgaaag gaaaacagca ttactagggc agtaacattt aattaatcac 117480
aggtacttat caaactacaa aacaggcatt ccaggaactg ggtgtttctg tttgtaaaat 117540
tacactctcg tgtacatgct cccactaaaa tgtaagttcg ctgaggatgg aggttttggt 117600
ctctttgctc tgtgctgtaa ccccaacact gcagcagggc ctggcacata gcaggcatgc 117660
agggactatg cactgaatca atgaggaaat gaaaaccagg accatgaagt aaactggaca 117720
aaataaaatg tgatagaaaa tctaaattcc taatacataa ggagcactta tcaattgata 117780
tttacaaaat ctttttacaa ttcaattaaa gacaacataa aacaaataag aatggggaca 117840
ggaacagaaa attcccccaa agaaaaaaat atatatacat ggtacagcca ttgtggaaag 117900
cagtatggag ttctcaaaaa tattaaaata gaactatcat ataatccagc aatcccatcc 117960
ctgggtatat atctaaagga aatgaaatca gtaccccaaa gaggtgtctg cactcccatg 118020
tttattgcag cattagttac aacagccaag atatggaatc aacccatcag cagatgaaag 118080
gataaaggac atgtgataca tatacacaat ggagtagtat tcagccttaa aaaagaagaa 118140
aatcctgtca tttgcaacaa catggatgag cctagagaac atactaaatg aaataagcca 118200
ggcatagaaa gacaaatgct gcatagtctc acttaggtgt ggaatctaaa aaagtcaaat 118260
taaaaaaaaa tgtcaagcag agaatagaat ggtagttgcc agggactctg ggaagtagca 118320
ggggtggggg tggaggggag gggatgggca gaagttggtc aaaaggtaca aagtttcagg 118380
tagacaggtg taagttctgg ggatctattg tacagcgtgg tgactgtagt taatactgta 118440
ttgtgtactt aaaaattgct caccaaaaat gttctcacca aaaaaatgat gtttggatat 118500
gttaaacagt ttgatttaat cattttgacg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg 118560
tgtatacatc aaaacatcac attatatacc atatacaatt aatatataca atttttgtca 118620
aagaaaaaat gcacatgacc aatatgataa aagtttagtc tcactagtaa taaaaatcaa 118680
aattaaatga aataaaaatt tctttcccca aatcgcaaaa gagaaagaaa ggtaatacta 118740
aaacacagtc acggtgtagt gagagggctg ctctcacaca ggactgatga gaataaaatt 118800
ggagagcagt gtggtaatat acatattaaa caatgtatat accctctcat tttagaaatt 118860
ctatattaga aatccatcct aagaaaataa ccagggatgt gatcaaaatt ttgaatgcag 118920
cagcacagta ttatttataa tagttataaa taagaaacaa cctgaatgtc cagcaacagg 118980
caaaaatgat aaataaattg tggcatattt aagctggtgg ctcatgcctg taatcccagc 119040
actttgggag gctgaggcag gaggatctct tgaggccagg agtttgaaac ctgtctgggc 119100

aacataacga gacccagtct ctacaacata ttttttaaaa ttaggtgggg catggtaact 119160
catgcctgta atcccagcac tttgggaggc tgaggtgagc agatcacctg aggtgaggag 119220
tttgaaacta gcctggccaa catggtgtaa caccatctct acaaaaaata caaaaattag 119280
ccagggtggg gtgcgttcct gtagtcccag ctactcggca gactgaggta ggagaatcac 119340
ttgaacccgg gattcggagg ttgcattgag ctgatatcat gccactgcac tccagcctgg 119400
gtgagaccct gtctcaaaaa aaaaaaaaaa agaaaaagaa aaaattagct gggcgtggtg 119460
ctgtacgcct gtagtcccag ctattccgga agctgaagcg gggggattgc ttgagcccag 119520
gaatttaagg ctgcagtgag ctatgattgt gccactccgc tccagcctga gtgagaaagc 119580
aagactctgt ctcttaaaaa aaaaaaagtg atatattttt aaaatagagt atattactta 119640
tatagacatc aaaaacaata ttttcaaggg atatttaaaa acataggatc atgacaaaat 119700
gtaaagttca aaggtaagat ggagaatgga gaactgtggg gaactgtata atctgacaat 119760
tcgtagttgc atacatcttt ctgtgtgctg gtgctgttag aacactttgt acgcatcacc 119820
tcatttaagt tcagcatccc taggtggcag atactattat tatattccag ttttgtttca 119880
cgttgtatat gcggtgtgag ccccaatatg ggatgtgtgt gtgcacatgt gcagtatttg 119940
gaaagttcta tgaaatatta ttagtggtta tctctgggag gtgattttta ttccttttcc 120000
agtatgttct caagcatttg ctgcaagcag tcttttgcgg ggccagggtt gagaggcagc 120060
agcagtttcc ctaaattaca gatagaggga ggtaggtggt tatgcttggc cagatctctg 120120
tctaggggta gaggagtgcc tgtgtgtggg tagggacacc ggcggggggc tttgccaaac 120180
acagtggaac tgtcacgctg gtctctcttc tcaactcttt cactcacctg agaaaagggt 120240
gtctatggac catgcacact tctgtgggga attttacaag atgtgaatca tcagtgatga 120300
agatgctttc atttaaaaag aattggagta cctgagatta gagataactt ctacccttt 120360
aaaatatttt taaaaatttc tttgcactga ttttttttct tcgtttttat gagttgtttt 120420
catttgggtg ggataactca atctacagga gaatattaag acttttaaa ttttaaaaaa 120480
tatactttca aatacttaat acattttgtg ttaaatgaca gccagcagat attgactgaa 120540
ttgggctaga tgcttcaggg atctcccttc catttaagac tctccgagag gccattcctg 120600
actgcaggtc actgtattat ttttaatttt aaaatttta cttacttatt ttatttaatt 120660
ttatttttg agacagagtc tcactctgtc gcccaggttg gagtgcagtg gcacaatctc 120720
agctcactgc aacctccacc tcccgggctc aagcgattct cctgcctcag cctcctgact 120780
agctggggtt acaggtgcag gccaccacac cccgttaatt tttgtatatt tagtggagtc 120840
agggattcgc catgttggcc aggctagtct caaactcctg acctcaagcg atccttccac 120900
ctcagcctcc caaaatgctg ggattacagg cctgagccac cccactcggc ctactttatt 120960
aatccacttg cagaaacagg atatacacaa aaacgtttca aggctgtaag tgccactgca 121020
tggcaccaat ggtaaacgtt ttacaaattt gagtcaggaa caatcattag tgtcactagc 121080
aacaaaaatc aaaattaaat gaaataaaaa atttctttcc ccaaatggca aaggagaaag 121140
aaaggtaata ctaacacgca gtcagggtgt agtgagaggg ccgctctcac acaggactgg 121200
taagtacaga gccatggagt aagcaggtct tgagctgaca ctggagagga tccttttttt 121260
tttttatttt tatttttta gagtcagggt cttgcttttt tacccaggct ggagtacagt 121320
ggtgccatca tagctcactg cagcttcaaa ctcctgggct caagagatcc tcctgcctca 121380
gcatccccag tagcagggac cacaagtgag aggatccttt agtgttgtca aggagaagga 121440
acagaggtgt ggatgggtgg gcacagacac aggagcacag ctgaagcaga ggattacaaa 121500
gggtggagcc tgatgtaaag aaacctaata ggtgacagag catggaggct cttgaatacc 121560
aggctggaaa ctgcattagg aacggtgctc ataattgcag aaaatttac atggcctaga 121620
tagtcatcaa aggatgatgt acaaacaact atggcatatt tatacaatgt gccgacagga 121680
tgcactgaac attttgaaca acaaagagac ttgataatgg cgaggttttg aggaggtgaa 121740
tcaggatgca aaaaaagcaa acaactaata aagttgattg atgacaaaca ctatcaaaag 121800
gcagccagga gaaaagctac tggttacctc cagggagctg gtgagggagg ctgggtggga 121860
ggatctaccc ttctgaattc tgagggcacc tccagtgtgg ccctcagaaa gcaggagctt 121920
ccaggctaga atcagatccc gacatccctg ttaattccac ggattccaca ccgagtcaga 121980
tttatgattt actatagggt tttaaaaacc aaattgcagg gatgctagcc tatcacagct 122040
tatctcagac attgtccact aaggtataca gagtgctgcc tgttcctttg gtaccctaat 122100
caggaaaccc catcagatct gctccttcct atggggtagt gagtaacacg aaggcttacc 122160
atctcacaca gataactggt cataggtcca gcagaagttt aaaacagaaa atgaggaaag 122220
ccatgtgatt aactgctgcc agactgtttg tgttacaaac agcagttcct taggcattgc 122280
ctgggacatg caataatttc tgttacacaa tctgtggtag ttaaaatgct gcacgatgaa 122340
agctatctga tttggattca ttattaggtg agccatctcg tctgcaattt ggttccacca 122400
ttttcattta acaaatgtaa aaaagtttat taagctctta caaagttatg ctgggcaaat 122460
atgcaaaagt ccagatcacc taccgcagga actaatctag cctcctctct gggcaccctg 122520
ttgtttgggg ctgggcagtt ctttcctgtg tagaaccatc tagggctgaa taggtcattc 122580
tgacacctgg gcacctctgc ctgctcgtaa atgggacaat cagaaagggc ccttatgttt 122640
ccaaactttc tttaaagtag ctgttctgaa aacatggtcc agggacccct gattgtccct 122700
gagacctttg aggggatctt caaggttaaa attaatgtca taataatact aatatgttat 122760
ctgtcttttt tcactctcac tttctcacac gtgaacagtg gcattttcca ggtgacagag 122820
tgtgtgataa tgaacctaac tgaatgcaga agcaaacatg agaacctagt tttttcaatc 122880

aaaccagacg tgaaagagat ttgcaaaaat gaaaaaacaa tgctatcctc ctcacaatat 122940
ttttgtttta gaaaataaag ttatttttcc tagaaatgtt tttgagttta tcagtcatag 123000
gtttattatt ataattaaaa aatgaaatat acatacacag acatattttt taaagttctc 123060
agttttaatc tctttttttt ttttttttt tttgagacgg agtctcgctc tgtcgcccag 123120
gttggagtgc agtggtgcga tctcagctca ctgcaagctc cgcctccctg gttcgcgcca 123180
ttctcctgcc tcagcctccc gagtagctgg gactacaggc acccgccacc gcgcccggct 123240
aatttttttgt atttttagta gagacggtgt ttcaccatgt tagccaggat ggtctcgatc 123300
tcctgacctc gtgatctgcc cacctcggcc tcccaaagtg ctgggattac aggcgtgaac 123360
caccacgccc ggtctcagtt ttaatttcta atacagtaag tattgatcag tgtgccccac 123420
attagtaaaa gctcttgggg tcctcagtac ttctttttaa gagttgtcaa ggagtcctgt 123480
gaccaaaaat aggagagcca ctgccctaga aggacagccc cagcccgggt caggaacaac 123540
tgggacagaa cctactgctc ctagtggatt gtaatatgat aggatttaac cttcaaggtt 123600
tcaactcttg gcaagagtcc atgaggggcc atggtttgtc ctgagcattg cttactgtta 123660
acaggagcaa gttccttagg ctggtgagcc aagccagcct gacgctggcc atggacatct 123720
tagtgggctg cttgttctag tgtgggtttt cattttatgg gaaatgtcat ctgctctaag 123780
gctcttctca tttggggaaa tcacaagttc tcagaatgtt tgtctctctt ggttggggcc 123840
tctataatta aattataaaa cagaggtaat ggttaagtaa tgcaagattt gacagaaacc 123900
acagaggatt tagggtttaa tttgagtgag gcaaaggggg gatgaagatg agcggtcctg 123960
gagacaagaa aaagattgga tgaagctggg cacggtggct cacgcctgta atcccagtac 124020
tttgggaggc caaggtgggc agatcacttg aggccaggag tttgagacca gcctggctaa 124080
cataatgcaa ccccgtctct actaaaaata caaaaattag ccaggcgtgt tggtgtgtgc 124140
ctgtagtcac agctacttgg gaggctgagg catgagaatc gcttgaatcc gggaggcaga 124200
ggttgcagtg agcagagatc atgccactgc actccagcct aggcaacagg gtgagactct 124260
gtcttctttt tttttgagac ggagtctgtc gcccaggctg gagtgcagtg gcatgatctc 124320
tgctcactgc aagctccgcc tcccagcttc aagcgagtct cctgcctcag cctcccgagt 124380
agctgggatt acaggcatgt gccaccacac ccagctaatt tttatatttt tagtagagac 124440
ggggtttcac catgttggtc aggctggtct caaactcctg acctcgtgat ctgcccgccg 124500
cggcctccca aagtgctggg attacaggtg tgagccacca tacctggctg agactctgtc 124560
tttaaaaaaa aaagagagag agggagagaa agattggatg aaacaacaga gtggggagga 124620
cctgtgagct tggtagcttg gtgaaggcag ggctttattg ggggccttag aggggatcca 124680
ataaaggttc ccagtcatgg tagtgaccta aagaaaatag cattttaaca tctttcattt 124740
cataatagac agtcacagtt tacaagaccc tttccataca ttccttatga catccatact 124800
acagcccaga ggcaagttgt gcactctctc ctctcacaaa tacaaaaact cagcctctag 124860
aggccagcga cctgctcagg gtgatgtgca attcagggat gacagagtcg aggctcccag 124920
cccagtggtt atccctcaca ggcacgttgc ctgtcagtgt gcagtataaa actttgtaca 124980
agaaatcaag ttgcattagt cagtcggatt ccccaaatga tcacattgta gatggtgtat 125040
gctgtgggca gagcaagggc tgctgtttct tgggcaaaac aatcagtccc cctccccccc 125100
aaaataaatg aatgccaatg gtgtgacttt attttattta ttttatttt attattattt 125160
gtgagacaga gtctcactct ttcacccagg ctggagtgca atggcatggt ctcggctcac 125220
tgcaacctct gcctcctggg ttcaagcgat tctcccgcct caccctcccg agtagctggg 125280
actacaagtg catgccactg cacccggcta atttttgtat ttttttaag tagagacagg 125340
gtttcactat gttggtcagg ctggtcttga actcctgacc tcatgatcca cctgcctcag 125400
cctcccaaag tgctgggatt acaggcatga gccaccgcgc ccagcaatgt gactttataa 125460
ttacagaatg taggactcag ctcccactat tgttatgact caatattctc ttagataatg 125520
tttggggcac tagcttacag gcagcattgc ccggtggtta atgttgtagc tttgcaggca 125580
gactgaccat attaaaattc gatcacacca tttgctaagc ctgtggactc gggcacgctt 125640
ctttctctgc gttagtttcc tcctctgtaa aacacggatg atgctataaa cacacccaag 125700
tcctagaatt gttatatgag ttagaaaaga taggcaaata caactctcac aagacagcct 125760
ggcctccagt aagtgccact gagtgtttgc tcttattgta cagtggctcc aagtgcttct 125820
gtcttggatt atttctgacc aggtggctat gtctcctagt aacttaccaa tcctgttgag 125880
tcttaataag cacgtctttg atgcctacag tgcgactgaa tttccaggcc tcattactgg 125940
agacacaatc atcctatatg ctttttttcca tttgttttta ataaagtggt acatgtgtat 126000
ggcaccagat caaacagtac agaacaagtt acaatggaag agaatggcct cccagctttc 126060
ctgaaatcct caactcagag acaacttttt tttttctgac ggtttcttta tacagccctt 126120
tttgtggtta ccttcctaac tctagaaaaa ctattcttac ctctgtttat ttacttagaa 126180
acattagacg ttacctttca actcctcagt atgaagcttt agttttcagc accccaggcc 126240
accaccctct ttccaggact tactacttat actggtggta ggtggaattt taaaattcat 126300
cagcattctt ttgtgattct ctgtgtgttc cagttttaca gcaacccgta cttgttgcat 126360
gagtacagta gaactgggag gctcataact tagcctgcag gacttttcac ttaaagcctg 126420
gccctcaggg tgatgtcacc cacctcattg tgcctggctc aggagtttag tccctcagtt 126480
gcctggttgt atagtttgga tgttcagcac ctccaaatct cacattgaaa tgtgatctcc 126540
aatgttggat gtggggcctg gtgggaggtg tctgggtcat caggtgggtc cctcttgaat 126600
ggcttggtgc cttccccatc gtaacgagtg agttcttgct ctggcagttc acacaagagc 126660

tggcttttta aaggagcctg gcaccttccg ctctttctct tgctcttcct cttcccttcc 126720
tttgtcacta aaagcttcct gagccctcac cagaagcggt gcagatgctg gtgccatgct 126780
tggacctcct gtagaactgt gagccaaata aactctttcc tataaattac ccagtttcag 126840
gtattccttt atacaatgca aaacagactc acacatctgg taaaccccag ttgtttgctt 126900
ctaggtaaga cgggaggagt ggggagctgg tgagggtttc cactgcattg tctattttca 126960
ggcaaggtgt ctccactgag taggcttcac attcagagct ctgggtaagg tgggcaggaa 127020
gagggttgca ggctgcccaa aggagggaga gaagaaggct gaatccttca gtgacaacct 127080
gtgaaccaga gtcttagctc tctttgaata ttttgttcag tatctttggg ttttgtttta 127140
ttttgcctag gggtaaatgc tgactgcctg ttctctggac aggaatggag aagatggtgc 127200
tagcagggtt gctgttcata tgtagacatt catgcagtca ctctcttttc agcacacttc 127260
ttacttctgc cctgggttca gttgctgact ctgagcccag aaaccttcta gggttctgtt 127320
aggtagattg gcttccaccg tctttgcgac aaccacagaa aattctagac tgttttctct 127380
tcgggcttca ttagtcaact tgcttcagtc tgtcttgcat cttctaaata tttatagatc 127440
tctctctttt gttggagtgg cagaaaatgc tagttgacca cccaatattc aaattatcct 127500
gcctccttaa taacagaata tcattggatg tggtgggtaa ataatatacc ctaactttcc 127560
ttgcagagag gggtggccaa tgagatggaa atgaaagtca ttgggaaaga ctcccaagac 127620
atctctttaa acaagacaga ctgaagcaag ttgactaatg aagcccaaag ctagcagttg 127680
tttttgttta tctttgcctc tttcttcttc ttcctgtggg gacaaagggc agtgatatct 127740
ggagctgcag cagccatttt ggcataatgt tggaaaagcc aagagactct cagagaccgc 127800
agctccagca gtttttttatt ttttccaaat atttgctcca ctgcaggagg atgagatatt 127860
cgtgtttgtt gccttgtgac tgtaggagga ctgcacttcc ctgccttgtt gtcaagtttc 127920
cccatgtggt ctgctttggc cagtaaaaca tgagtgggag aagcttggtg aaccattgca 127980
tgtctaccag ctttttttgct ctcttcccttt tggcattaga aaggcatgtc caggatggag 128040
ttgttccttc agcctagatt gggttatgag aagctagctg ggggagtcca gtaacatata 128100
aagcgagtta gaaataaaac tttgttgttg taagctatat atatatatat atatatatat 128160
atatatatat atatatatat aatatgtatg taatatataa atacatatta tactttaagt 128220
tctagggtac atttgcacaa tgtgcaggtt tattacatag gtatacatgt gccatgttgg 128280
tttgctgcac ccatcaactg ctcatttaca ttaggtattt ctcctaatgc tatccctccc 128340
cagccccca cccctcaaca agccctagtg tgtgatgttc cccttcctgt gtccaagtgt 128400
tctcattgtt caattcccac ctatgagtga gaacatgtgg tgtttggttt tctgtccttg 128460
tgatagtttg ctgagaataa tggtttccag cttcattcgt gtccctgcaa aggacatgaa 128520
ctcatccttt tttatggctg catggtattc catggtgtat atgtgccaca ttttcttaat 128580
ctagtctatc attgatggac atttgggttg gttccaagta tttgctattg tgaatagtgc 128640
cgcaataaac atatgtgtgc atgtgtcttt atagtagcat gatttataat tctttggata 128700
tatacccagt aatgggatca ctgggttaag tggtatttca agttctagat ccttgaggag 128760
tcgccacact gtcttccaca gtggttgaac taatttacac tcccaccatc agtgtaaaag 128820
cattcctatt cctatgtctc cacatcctct ccagaatctg ttgtttcctg acttttaat 128880
gattgccatt ctaattggcc tgagatggta cctcattatg gttttgattt gcatttctct 128940
gatgaccagt gatgatgagc atttttttcat gtgtctgttg gctgcataaa tgtcttctt 129000
tgagtagtgt ctgttcatat tgtttgccca ttttttgatg gggttgtttg tttttttct 129060
tgtaaatttg tttcagttct ttgtagattc tggatattag ccctttgtca gatgggtagg 129120
ttgcaaaaat tatctcccat tctgtaggtt gcctgttcac tctgatgata gtttcttttg 129180
ctgtgcagaa gctctttagt ttaattagat cccatttatc tattttggct tttgttgcca 129240
ttgcttttgg tgttttagac atgaagtcct tgcccatacc tatgtcctga atggtatcgc 129300
ctaggttttc ttctagggtt tttatggttt ttaggtctaa catttaagtc tttaatccat 129360
cttgaattaa tttttgtata aggtgtaagg atggtttcca gtttcagctt tctacatatg 129420
gctggccagt tttcccagca ccatttatta aatagggaat cgtttcccca tttcttgagc 129480
tacagatatt ttgagtttgg ttaccacagt attatctagt ggaagttgac ttatacagta 129540
tgtaatagga taaatatagg tgtgtaacag aatattaagt gttcgtgttt caaagctgag 129600
gggaaaatgt taaaagtgtt cacacactct aaaaagagat tagctaaaac tgcttcatta 129660
accacacttt ggggaaacca gttctgagat tcttctccat tactctgaca ggttggaccc 129720
tctggggagc agatctcaag atcaagttat gagtgcaaga ggtgtgttgg gaagcgatgg 129780
ttgtaaaaga atcctgcagt agcaccaggc acaagtctgt ccagggagag gaggacttct 129840
actctctacc agcatctctc ctaagtcccc ttaggggacg ggggcaagga agtgctggga 129900
agggcagggc atggttcctg gctaggactc cacccccctg gggcctgtac ccacggacct 129960
aggtgaagac aggcactcct gccttctcgc ccaacggttg cgtttcccaa gatcatcctg 130020
gcctgccacg cccccatcta cctattaaac tcccccacct tccccaaacc ctagcaggca 130080
gacacacatc ggtggaagaa gacaggagcg gctggacatt gaaaggacgt cgagaggagc 130140
acacctgcac accatcgacc agcggaacga ggcagagtgt ggctggagca gtcggaggga 130200
agcctgggcc gctgactcca ggggaaaacc atctcctttc tggctccccc ctctgctggg 130260
agatactttc actgaataaa accttgcact cattctccaa gcccacctgt gatccgattc 130320
ttcctgtaca ccaaggcaag aacctgggat acagaaagcc ctctgtcctt gtgataaggt 130380
agagggtcta actgagctgg ttaacacaag ctgcctatag acagcgaaac tgaaagagca 130440

cacaatagca cacactcatt ggggcttcag gagctgtaaa tatccacccc tagacgctgc 130500
catggggcgg gagccccaca gcctgcccgt ctagaggttt gagcagcggg acactgaaga 130560
agagagccac accctcatcg cacgtcctgc gagggagaca agggaacttt tccggtttca 130620
cttctgcttg gcttgagctg gcactgaagc acccttttcc ctcctcactg agggagcaga 130680
ggggaaaagc ggtagaacta acaggctaac aatgctcctc cgaaaatata tcgtattttt 130740
ggatccctag agataggtga tcacggcagc cgcggagtgc atttgggtct cctttcaaga 130800
aagaacttgc tgctcagcgt tgaagaatgc agttggccaa cagcctccag ctgctctgtc 130860
ttcagcatct gccatggcat ctgagctgag gtcatgttct tcctgggagg tccccagcag 130920
aaggatcacg tggaagctcc acaagctcca cagatgttcc aggagaggaa taggcagcat 130980
ttggaagaca tatcctgcca taacagaggg catttgctag tagagacaac aaacagcaac 131040
agccaagtaa acaaacacac aagcacaaag cactttctcc catttcccct cattgatcct 131100
gtccgggtag aagctgggga ggaagtagaa tagggtgagg cggggtgggg ctgggggccc 131160
tacaccttct tccttccccc gcaggtcctg tccctgggcc aggcttgaac taggggaatg 131220
ggaaaagctg tgaagtgaat gagaattagg agtttttatt tagactggac ttgaattttt 131280
ttttttttct ttttttttct gagacagagc ctcgctctgt cacccaggct ggagtcccgt 131340
ggcgccatct tggctcacta cagcctctgc ctcccgggtt caagcgatcc tcccaccaca 131400
gtctcctgag tagccgggat tacaggtgcc tgccaccatg cccagctatt ttttttttct 131460
tttgtatttt tagtagagac agggcgtcac cgtgttggcc aggctggtct cgaactcctg 131520
gcctcaagtg atctgtccgc ctcggcctcc ccaagtgcta ggattatagg agtgagccac 131580
cacgcctggc ctggacttga atttttaatt cctaaaaatg aactaccagt taaaatttaa 131640
aaatgaccaa aaaagctatg ggatatgctg atgttttgct ttggggataa ggaaaagata 131700
tctggttgag cggcattgaa aacagtgtag ggagagaaaa actcattcct ggctcaccct 131760
tttgagtccc actatctcaa taatctgatg ttatatgaca cacacacaca cacacggagg 131820
aatcctggaa gactccatat caaggtggtg atgaaggtga ccagtgggtg ataggattat 131880
aggtgtgtgt ttatttattt attttaatta cctttttttа gagacagggt ctctgtcatc 131940
caggctgcag tgcagtggtg tgatcatggc tcactgcagt cttgcactcc agggctcaat 132000
cctcctgcct cagtctcctg agtagctgga gctgcagtca tgcaccaacg tgcccaacta 132060
atttacttta ttttatttttt tatttttgt taagatggaa tctcacttta ttgcctaggc 132120
tggtcttaaa ctcctggttt caagcattcc tcctacctca gcctctcaaa gtgctggaat 132180
tactgcactt ggccctatta tatttttaaa aaatttcaat agttttaggg gtaaaagtgg 132240
ctttggttac atagatgaat tgtatagtga tgaagtctgg atttttagtg tacccatcac 132300
ccaaatagtg tacattgtac ccaatgagta gtttttcatt cctcaccccc acactgtccc 132360
cacttctgag tctcctgatg tccattatag caccctgctt ttgcgcactt agagcttacc 132420
tcccacttag aagtgagaac atgtggtagt tggttttccc ttcctgagtt acttcactta 132480
ggtcagtggc ctccaatttc atctgagttg ctgcacataa catgatttca ttctttttt 132540
gactgagtag tagtccatct ctctctctca cacacacaca tacacacaca cacacacaca 132600
cacacacaca cacatttatc cactcatcca ttgatgggca cttaggttgc ttctatatct 132660
ttgcaattgt gaattgtgct ccaataaaca tacatgtgca agtgctgttt tttctccctt 132720
ttatccttct tttcttccct atgcttccat aggtactgag aaagagtctt ttttatataa 132780
ttatttcttt tcctttggga agatacccag tagtgggatg gcttgatcca atggtagatc 132840
tgtttttagt tctttgagaa atctccatat tatctccata ttgttttcca tagagattgt 132900
actaatttac attcccacca acaatgtatg tgttccattt tcactgcatc ggcaccaaca 132960
acggttgttt tttgactttt taataatggc cattctggct ggggtaaggt ggtatctcac 133020
tgtggtttta acttgtattt ccctgataat tagtgatgtt gagcatttaa gaaatatatt 133080
tgttggccat ttgtatatct tcttttaaga aatatctctt gaagttgttt gcccactttt 133140
taatgtgatt atttgttttt ttttcttgct gatttgtttg agttccttgt agcttctgaa 133200
tattagtcct ttgtcagagg tatagtttgc aaatactttc tcccattctg taggttgtct 133260
ctttactctg ttggttattt cttttgctat gcagaagctt tttagaataa ttaggtccca 133320
tttacttatt tctgttattt tgttgcattt gtttttgggg tgttagtcac aaattctttg 133380
cctagaccaa tgtccagaag agtttttcct aggttttctt ctagaatttt tatggtttca 133440
ggtcttagat ttatgtcttt aatccatctt gaattaattt ttgtatatgg tgagagatag 133500
gaacccggtt tcattctttt acactacatg tggctatcca attttcccag cactgtttat 133560
tgaataggat ttcctttccc cagtgtatgt ttttgtttgt ttggctgaag atcagttggt 133620
tgtaggtatt tggttttatt tctgggttct ctatgctatt ctacttttat accggttcca 133680
tgctgttttg attacaatag cctcgtagta taatttgaag ttgggtaatg tgatgcctcc 133740
agatttgctc tttttttgct taggattgct ttggctattt ggacccctct ttggtctcat 133800
ataaatttta ggattggttt ttctaattct gtgaaaaatg acattggtat tttgataagg 133860
gttgcactga atctgtggat tgctttgggt agtatagtca tttttacaat attgattctt 133920
ctaatccata agcatggtat gtttctccat ttgcttgtgt catctattat ttctttcatt 133980
agtgttttgt aattctcctt gtaggggtct ttcacctcct tggttaagta tattcctatg 134040
tattttattt ttatttttтg cagctattgt aaatgggatt gagttcttga tttgattttg 134100
agcttggcca tcattggtgt atagcagtgc tagtgatttg tgtacattga ttttgtaacc 134160
taacactact aaattcactt atcaaatctg ggagattttt gaggattcct taggattttc 134220

taggtatgag atcatatcat tggtagaggt agtttgagtt tctcttttcc agtttggatg 134280
ccctttattt ctttctcttg cctgattgct ctgactaggg cttctagtac tatgttgaat 134340
agaaatggtg aaaagtgggc atccttgtct cattctaatt tttaggggga aatgctttca 134400
acttttcccc attcattttg atgttggctg tgagtttgtc atagatgatt cttactattt 134460
tgagatatat tcatttgatg cctagtttgt tgagggattt tatcataaaa ggaggctgga 134520
ttttattgaa tgctttttct gcatctatta aaatgattac gtttttcatt tttaattctg 134580
tttatgtcat gaatcacatt tattgactta tgtttatttg ttgcttacat ctactttcta 134640
attttactat aataaacatg tataattttg ttatcagaaa agtaaatgta aaagtgagtt 134700
ttaattttaa aacttgggcc taagtcttcc tgcctcccaa gcccattccc ttcctgatat 134760
ctggggcttc cctcctcaag cctgctctgc aggataaggg gatacagtcc acatgcctgc 134820
tgctggtttg gcccatgata acctccatgg gcaatgtctg agcctctgct gttgagtttt 134880
gctttacaca ctcctggcaa ggaaaggatg gccaacatgg cttggacatg ggttgctgat 134940
aattggtgat gtctcatgac tggttctgcc tggagggctt gctgtaagtc cctgatagga 135000
ggaacatgga cctgcacaag agcagaactt atctgacact gaagaggaca cttcaagaac 135060
agattatcaa agtctagctc agggagaaat atactttaga gcagaatgag gaatggcgag 135120
gcagctgagc ttagacacaa gcagaaggaa atccatggtg agggcacagg caaggaaagg 135180
ggctgagaga gcattagtgg gggcagtcag gggcagtggt caggatgctc ggatgccagc 135240
gtgaacaatc gcatcaagat taaacaccat gaggatcgtt agacttcctg tcatatgtct 135300
ccaggtggtg ctccaaatat cctaaaccag atgacagcac ccctccaccc tctgctgtat 135360
aagcacatct gctctcctat aatcattccc acatagcaat ttatcatttt tattgatttt 135420
tcttcattta atacacgtat aagtgtgtct tttatttta aaaatttgca ttcctttaat 135480
tgctttggag attgtgcatt tttctctctg ttgatttact ctgccaataa acatgtaatc 135540
ctaccataag catgttttac ttgtgtaatc aaccaaaata aaaaatttaa aaaggaatca 135600
ctgactatga attagacatg tggataggca ccagggttgc agacatggcc cacgttcttg 135660
cattaacttg cactgtggct ggggcattgg atgggtacat taaaaggatt aaagtaatat 135720
aaggcagtat ttattaagtg ttgagtgagc actacagaac ccaagtgctg agggagtttc 135780
atgcaggaag agatcaagag taacacagag aagaagaata gatcaattta gcgcattcat 135840
ttaaaaattc acctttgca taaggggatg tgtcttttgt ggggaggagg ggagttccga 135900
ttggcagttt gttctcaggg agcttgaaga agagatcttg gagaggagac gcagagaaaa 135960
caaatgaaga aaatgtcaaa atggaagggg ttggcccggc tatgcatacc ttagttagct 136020
taggtagagt ctaaactttt acaagtggtt tcaataggtg tgtttggtct gggttctttg 136080
ggaggtatca taggagaatg aaggcaggga ggacgcttcc agcaccaaaa ttcaaaggga 136140
aatgtatttt acatgcatag cattgtttta ctctctttcc atttggagca tatcttaaaa 136200
attccatttg gagcatatct taaaaaaccc atttctctga caatggttct aaaaggggga 136260
aacatccttt gcaacagaat cattcattct ctcattcatc aaccactgat tgtgtactaa 136320
gtgtcagacc tgatctccat cctgcctggt atggcactag cttctgtctt gagacaagca 136380
ttgtgataaa ccatgaccaa aaaaagggca gttttataaa cacaagtctg ccaggctttc 136440
agcaattcta aatttccttt tgcaagtcag gctggagtta atggctcttt cctgcagcgg 136500
cggagatgac agggctctcc cacagtgctg agcaggcagt ttgaaagccc cacttcctgt 136560
ctctgcatgg gcgagtgtcc actggaagcc actgagagga aggagggaaa cctcagaaac 136620
cggcccctgc ctggctgctt caccctagaa agcccaggca gaggagggaa aggtgaagtg 136680
ctgaaaaaga ataaaaaagg gggaacatga aaaagagcaa gagcaggaag gaggcaggga 136740
cgggaaagga ggggaagcac ggaaacagcc aatgtcaagg agaagaaaag atggctggtg 136800
gaaaggagct tccaggaatt gggacacagc cctgtcttat tgcaaaagat ggaaaccctg 136860
aaggagaaca ggaaggaaaa agaaaacaag tccgtctgag ctggcagggt ccactttctc 136920
attctacaga tgaggaaaca gaggcacaga gaggaagtgg cttgcccaag ggggcagatt 136980
cttgaaagga tcatctgcac tctctctccc ttaatgcatt cttacctctt ctttactcgt 137040
gagtcagtcc tgaaggacaa gctgcctgaa gtcccacaca gatgggcctg gggcaagcat 137100
caaacatcct gggggccctg ggtgaggttt gcttttaaat tccaggtcag ggaaaggaag 137160
gtctttaagt tgtctgctct aagcttagta atccccctca gagttatggg tgcggtgtct 137220
ggggtagccg ttgcgtctct gggcaaatac cctggagaat gcagtgttgg ttgtctgagc 137280
tggggacaga gtgacagcat agttgcatgc agagctggag gctcctgcag ctgtacaggt 137340
aaggtgctga aattctccac caacccttcc tctttgcccc cagcaccacg aagataaccc 137400
tctttgaata tgtggaagtc tgttctccaa actttctaac attctcatgt cagtcttaat 137460
agattcagct cagttactgc ctcctccagg aagtcctcct tgtctgcaaa tcggctgccc 137520
accatgccgg ctcactcata gttttaactc tgtatctttc taatatgcct tagcccactc 137580
tgtcaggatt ccagtcagct tccttctcct agactaggag ttgcctcagg ccaggaggac 137640
cagccttgtt catatctgta ccctgcaaac ctgtcaatgc ccaaacctgc tcagtgcttt 137700
ggagtatgga accagccgtc aatgcaggaa tgttacactc taagagttcc caaaggtaga 137760
gagatgaggg attggtgctg gaagtgggag gttattctaa ggatgggtat ggcaggaaac 137820
acaattatag ttcagggagt ggagtgtcca ggagtgggag gagaggaact gggagaaaga 137880
gcagagagtg aaagtgagag cgggcacaaa gaaagggaaa aagagtcagg gatcaaccaa 137940
agtgcatgct tccttttcag ccctgccagg atgtgcaggg cggctgctgt ggacgcgtca 138000

aggctcagcc tcaaacatgt cttcttcctt gacttttgtc tatcattcta aagctaggtc 138060
atttaaaaag ttcttttgtt ttctttccac cgatactctg atttctgaca ttcgccaaaa 138120
agaggtcaag accctggcat accgccctac taagattaaa ataaatatta tccattgaaa 138180
ctgttatttt ttccttaact gttatttgta gagttaaaga ttcccatgat cgcgctggct 138240
ctaacatcat ttttggctct tttgagatca aatttgcaat ttgatgcaaa aatagctgtg 138300
acgcatatgt gtctgtatgt gtgtggttag gagatttttt atcattacat cttcttttgc 138360
cctgcctttc tgcctttctg tcctttttaat ttgcgggctt ttggcaacca cagcacgggt 138420
ctggtttcct aggagtttct tttgtaggat caaaccgcta gttggctctt ggccctgtga 138480
tagggccctg ggctaactta ttgggaaaat gttgctgtaa cccctgccca gaggtgcctg 138540
tgacatgggc cgccatcttc tcctcttccc ttggcttcag ccccacctag aaacctgaac 138600
aaacattttc cttgacattt cataaagtgt cagtggctcc tcatttagca aaatacatcc 138660
cagggaagtt caaaagtgaa aaaaggccgt aacttcttct tcttctcagg gacctacaga 138720
aaatatgtgg cacctcggca gcctggcctg cagcactccc ctccccatcg gtgagtcctg 138780
ctacagtggg tccaggtgtc tggacgcccg gcacgcacgg ctctctgcag acctctggac 138840
agtaccatgg gagccgcaca gtccctgcct gttctgtccg gcagttcttg tttcccagca 138900
ccctgtctca ggtgagaggt tccctcttct gctgggcttc tcctccctgc tgtgaacccc 138960
aaatatctga ggcaggtcaa tttaggaacc ttattttgcc aaagttgagg atgtacccat 139020
gacacggcct caggaggtcc tgaagacaag tgcccgaggt gatcgcggca cagcttggtt 139080
ttatacattt atacagacat cagtcaatat atgtaagata aacattggtt cggtcccgaa 139140
aggccggaca actccaagtg gagaggggggc ttccagttca caggtagata agagacaaaa 139200
tgttgcattc ttttgagttt ctgattagct tttccaaagg aggcaatcag atatgcattt 139260
atctcagtga gcagaggggt gacttggaat ggaatggaag gcagttctca gtttaaattt 139320
tccctttagc ttagtgattt tggggtccca agatttattt tccattcact ctgcagacag 139380
gggcttctgt gcatccaggg agcccctcct cacagaagga agcaggccat taatgagacc 139440
caatccagct tcaaccacct ggtaacaatt aggacatcac ttctctgagc aagagctcct 139500
gcctgtccat gagttatcaa gacattccaa ttgttcctcc acatctttga catgaagact 139560
tgaggggtc agattttcca gggggcttga tggcatgttc tcttcactgt tccctgccct 139620
ggtcatccaa gtgacccttg gcagggaaga ggccccgagt tgcagaatct ctgttctcac 139680
aagccattgc caacccggag agtggctttg ccactattcc tagcatgttg ttggctattt 139740
caggaatggg agtatttgac ttttcccttt gcagtgattg ctgcaaggag aggaattgag 139800
agactcaagt ccctgagata aatatttatc aactattact gaaagggagt atgtcaaaga 139860
aaaaatgtgg agaaacttca gcttgaacac atagtttaaa tccagcttgg gtgtactcca 139920
gtgggcatgg atgtattact gttttgcagt gcattcttct atgatcaata cacagaagca 139980
aacaggccac gtgggtaaac agtaatttc atttaccagg gtgaatatgg aagtcctctt 140040
gtttccatgt catgatgaag gaaagcaagg accatctttt gccaaggaac agtggctgtg 140100
ggggaactga ggagatggaa ggacaaggca gtcaaaagct ttggaacaac tctttttttg 140160
agatggagtt ttgctcttgt tgtccaggct ggagtgcaat ggcacgacct cggctcacca 140220
caaccgctgc ctcccaggtt caagtgattc tcctgcctca gcctcccgag tagctgggat 140280
tgcaggtatg ctccaccatg cctggctaat tttgtatttt taatagagac gggatttctc 140340
cacgttggtc agctggtctt gaactcccga cctcaggtga tccacctgcc tcggcctccc 140400
aaagtgctgg gattacaggc atgagccacc atacccggcc ctttttgga ataattttat 140460
aggttttcaa actattacac ttacctttt atataagaga caggacatag tcactgaaca 140520
atcactccag attttaagta agtccaggat gggatgacaa tggaacaacc atgaaatgaa 140580
aggaagaatg tgtcactggt atgtccacac gtctccaaat ctctcacctc tgtcagctgc 140640
aaacagagcc tgaaataaat gtttcctctg tgcacagcct ccacaacttc ctccctccac 140700
gtttctcact cactcctctc cagcacttct ctccgggttc tgcttacaaa cttgaaaccg 140760
gctatgcaaa aattataact gtggaaatta tgacagtgaa agagatcaga cctaaccgac 140820
tccatcttgc ttctaacctt taagctgtcc ttgttcattt ttgggctgaa ctaactttgg 140880
gaaggaattc agttcatggt agaactctga aacaaaattg ataatagccc tttcctgaaa 140940
agacccccctt cttgcctggg gacaagtctg ccattgtagg actaacaaat taactacaag 141000
attagaaatt aaggtttagg gttcatgcag cctccagttc caagagtcta aacctcccca 141060
aattgctcct ggggataaca tcactgttgt aaaagctaag accagtgctt gagatatttt 141120
gtagaccctg ctctggatgg atcagctgac accatccaga ctggtaattt ggctcaacca 141180
gctctgccat cccacccagg aacagaaaaa tactcacttc atcaccccat gagtccatct 141240
ctaacctgac caatcagcac tccctacttc ccaggcccct actcgccaaa tctgcctttg 141300
gaggcagata acaacttatc tttaaaaact ctgatccctg aatgctcagg agactgattt 141360
gagtaataat aaaactccgg ctctgcatga attactcctt ttccattgca attctcttgt 141420
cttgataaat tggttctgtc taggcagcca gcaaggcgaa ccctttgggc ggttacaaac 141480
tcatcctctg tggaagagta ggagttcatg gagaaattgg ttgcaaatta caaaatttta 141540
ttgtaaggtc aacttgtccc agtgtccgtc tgtgcagcga agggcccctg catggtttag 141600
tgattgcaag ttgagcctct agggtcaggt tgtctaggtt tccatcccag ctcattcact 141660
tattatctgt gtgttcttga gcaagctcct taatcaattg aggctttgtc cttctgtttg 141720
tataatgatg agaataataa cctccacaat aacctcatca taaggttgtt gtgaagatgg 141780

atcagataat atatatgtag agtgcttata acagtgcctg gcacataaaa aatgctcaaa 141840
aatcttaagt gttattaata ataaactgac atatatttct tgagcagggt ggtggtaaat 141900
gggtgttctt tttattaagc tttaaagtgt gcatagatca tattaattct ttttatgcat 141960
atgatatatt gcacatgcat gaaaatacat gcattaaaaa taaatgagca tttatgagat 142020
ttagtttagc agtcacatgt cccaggatta caagccagca ataatgggtt ggaaaacatt 142080
ccaacccatt ccaaccattg gaaaacattc caacccatca ctggacccat gtgccaaaca 142140
atggaaccgc ccacaggttc tcattcttgg ttaaaaaaat atgattatta cgggaataat 142200
actgattccc taagaattaa tatctgagca agtttctttt ttttcctgtc ttcttggaag 142260
atcagcaggt tctagattca atggagtcac taggattgag ccaccagtat acgccagtcc 142320
tctccagaac ggccacctgg tggtgggcac taaggcagtc tcagatgagg actgattgac 142380
ttttgtgtga actcaaactg ccaaagtccc tccctcacct tgcaaacttc aaagcacaac 142440
tttcaaagca ctactttctt tcttggctct caattctctg cctagaaaaa gggaggtgtt 142500
ggcaaggatg tttgtttagt tctgggcatc agtcaatggt acccagatct tgctgaacag 142560
aaaagacaca gatttgtttc tctgaggcag ttggtagtgc ttattgctta ttgctctcag 142620
gggcttctgc agcagtagaa gggccctctt cccctgccat gccacactga gaggagcatc 142680
cttggagtca tggttggaat ctgtttttgt tatgctagtc ctcttccgca tgctagctgt 142740
tgcattgcag ggatatgtgt acctgtttat cttctccact aggctctaag aagccaggtt 142800
tcttaaagga aggaagctga tcttgtttat cttgaagtcc tcacagtgac attgctcagt 142860
caatgttgag tgtatgaatg aataaacggg aaccatcacg aaaaagccga aaatacagtg 142920
gaaagactgg atcataaaat cttctaagca aatttttttt cctcttacac tccatttcca 142980
aatagataaa gtatttttta aaatcctatc agaatattct aacacactga gttgacagaa 143040
tagagatttt taaatgcagt gtcatttggc cagccatttg tgagaattta taaatgtttc 143100
agtaggttga aaacactata aaagcaagga ctatgttcat acccaacagc tggcacttag 143160
tatgaatgct aaatgaaaca ttctcttctc tttcaagagt cagtccaacc agtgaccctg 143220
acaagaagga aggcacattt aactcaattt aatgaactct tatagagcat ctccttctcc 143280
aagtgctttg ctaaggatgg ggtaaaaaca tgaataagtc ttggattctg tccttcagga 143340
attttcagtc tttggaggca gatacatttg cacccaacta ttatcctagg cagagtgtga 143400
taagtacgat aatagcagta aaagctctaa gttaggcagg agaggaggag ctcgttaaag 143460
cttatggggc ctgggaggct ttcggcggag taaactccag ggggacagct aggcatctgg 143520
ctgctggaat tgggaggagg atcattttaa gtggctacaa ctctgggtgc acaggactag 143580
agggtgaggg ccaagatggg aaattgtggc agccatcttc cacactgggc gcccgccgac 143640
ccttgcttcc tggtattcat attattgtgt agtgtccccc aacattgtat cagggttggc 143700
ctgtgtgacc aattgcatat ggtgggaatg atggtgtgtg acttctaaga ccagttcata 143760
gaagatgtgg ccaattccct tactgtcttt ttttttggca ggggagtgcc gagtttcacc 143820
cttgtcgccc aggctggagt gcaatggtgc gatctctgct cactgcaacc tctgcctccc 143880
aggttcaagt gattctcctg cctcagcctc ccaactagct gtgattacag gtatgcgcca 143940
ccatgcctgg ctaatttttgt atttttagta gagacggggt gagatcaatg aggcagtcaa 144000
ttggccagcc tggttttgaa ctcctgacct caggtgatcc acccgcctcg gcctcccaaa 144060
gtgctgggat tacaggcatg cgccaaccgc gcctggccct tactgtcctt tggatcagct 144120
gctctggggc taggtcaatc cttcatgtga ctgcagcccc agccaacatc tggactgaaa 144180
cccatgagac accctgagcc aaaaaagccc agctaagact tcctgcattt ctgacccaca 144240
gaaactgaga aaagaaatgt tttgttgttg ctttaagcca ctgacttctg gggtcatttg 144300
ttttgcagaa atagatagca gatacagaaa agcaggctgg tggaacagtg tgggaaacac 144360
cttgattttc agggagttgc actttgttta tgtgcaatgg tgcactgttt ttagaaagac 144420
acaaagatga taatactggt gatgggcata atacgggttg tcaagaggag tgactgaggc 144480
ggggataatt taagaggcca cagcagtagt gtggcaagag gtaatgaggg aattgaactt 144540
ggtgggaatg ggtgagatca acgaggcagt caatatgggc agtgagtgtg aaggagctgc 144600
gaaggatgat tctttggttt tgagcttagg aacatgagag aaccaagatc tcatttatcc 144660
aaagaggaaa cacagaagtg agcccctgtt tgggggcagg gctgggtagg aggaaaagag 144720
tggagacgtc tatctcccca ggaagagagc cccctgcttc cagatcccag tggatggcag 144780
ggcactcggc tcattcacag actgggctcg ttgagaaacc tttccctgga gggcagggct 144840
gctctgtttc acagcccata tccctcatgg ccaagtgttc ctcgagtgac agtctctgcc 144900
atcaatattt ttagcatgtg gtctttcaga gactaaagag tggcatccat ctcctgaaac 144960
tccttcccca gctgacagct ggtgacccgt ggaggaggga gcttcaggga gcctgatggg 145020
cgagagtctg ttccaatgcc aatccattgg aagagatgaa gtcagacccg agtttgatag 145080
aaagcctact tcctcccttg tatccagctg tggagaccta ccaacatcaa tgcaaaccag 145140
aagctaacac ccagttcata tatcccaagt ggaaggaagc ttctcgtgga attgtcttac 145200
atgacagtaa cataaatcct gaaggtaata cttggccagg taatgttaga aaagaacccg 145260
aacataggca ttgctattat agatcctagg ataggcctga gcaaaaactg tctgggattc 145320
ataacatgct tcgttgcaat ctgatagagg gagtgagatc cactccaaat ggagtctgat 145380
ttggggcaaa gcaaagagta tggaaggaaa cttgagaaag ggggacagct tctcaaatgg 145440
agtctggcca cagctggggc tggaaaagag acatgactgc gcttgcagag tggtgagaat 145500
ttgctgctag aatttttaag ttgtgtgttt tcatttttat gataatgtaa actgagataa 145560

gcatattctc tgctatccca atgagcccct cctctaggag gactaccttg ccaccttatc 145620
cataaatgtg tttataaatt attttgatgc cagctggtat tttttaaaaa gtggttttgg 145680
actcacaaaa aaaaccatga tggatttaat acataacaaa gcatttgtgt caagtgaagg 145740
ccaagtaaca tcttagcgtc ctgtgtgagc gaaggtgtcg tggcagttca aacaagaatg 145800
ccgatgaagc tgcccaggat ggccaaggcc accttggtgt gtttgagggg aattagagtt 145860
tagaaaaaaa aaaaaaggca cctgacactc tgaactaatg tggttacctg gaattttggg 145920
gttttgaagc tttgcattta atttgcagct tatggcctga aggaaaagac aggtgaaatg 145980
catatcctgg gatgagtcac ctggaggaga gggctgggaa ggggctgagc tgcacatgct 146040
cagatcttct cccaggctta tcgacccagt gagtcaagtc ttcttccaac gggatagagt 146100
gtgagagaga gcagggaaca gaagccagag tctctgttaa atttctcggt acatttctgt 146160
tagagaatgg aagtttctct atcgtaggag accttgagag cctgggatag aaattacccc 146220
tttgtcatgt attttcctcc cagaaatagc atggccactg tcactgctaa gctggagtat 146280
catgagcaca atttctctca ctttctatac ccatgccttt ctaggagatt ggtggctcca 146340
tcaaaaagga gttaaaaaga agcagcacta ttttgtggaa tacaatcatc accattatca 146400
ccatcagcac caccaaccag caccaccatt atcaaaagca ttcacctggt gtctgcctta 146460
caaactgcaa actgcagtag gtatttgtaa tagaatgttt cctttccccc ttgggatctg 146520
cagaaaagct ggagaatgtt ttggtatcaa cacactaggt tgcattgcta atcatgtgat 146580
ggccccatga cagtctctgt tggctggtgt agttcaggtg gacgactgca ggattttgtt 146640
cttggagcct cagttctgac tgggcttggg gtgtaaaagg tttgggagcc agatgacaag 146700
agtatttgat gggtagaata atgggttcat ccaaaagatc accagaatgg ttattaaata 146760
gtacaaagga ggaatttact ggtaatacca gtttgcaaac agagaagaga gtctccaatg 146820
tggactgaaa gtgctctctc tttgaagagg ggaaggacag attgggtttt atgcctcaca 146880
ggactggtac catacatatt cagcaggttt ttggggaaaa tctatacata tttataaggt 146940
gagctgatgc ctgcataata gataaacata tatgtaacat acttttcata ttcattttgg 147000
gactgggttt tggcactaaa atttgtggaa tttggctctt tatgttaaaa ggtgaactag 147060
aggacacaaa gacggtttgt gtgcaccctc tataaactgg ctgaaactgg cttaaggtct 147120
gcaactgctt atccaaaaag aatgtttgta aggccaggcc tctgtccagt cagagttgta 147180
gtggtccagg ttgtaaatca aagtttatag ctctttttgt tagagagttc agctgtagga 147240
atttagaaat ttgccatgcc tgccaggccc tgaacctttg acccataggt aactttattt 147300
ccttaacctt agggtcagtc ttagttgata tggggcatct attctggtat ctcagatcct 147360
atggtcaaga gaaaagatcc tccacaagag ggtcctatgt ggctgcaaaa actgctctga 147420
gctaaatcca ctcaaaatca ctgcaggatg tcactactag aaaatagggc agggataggg 147480
atccccttcc catgctgcca gaaaatgcct gatagcttac ctcccccggc ccttgaggct 147540
cccttggaat aggcacatgc aatcccatct ccacccaata gagcttgtcc tagagctcag 147600
ttttttccca tagttttccc acccacttgc accagaaaat ctaataaagt catgtgatta 147660
atacaattca ttttatcacg cttctgaaga tttaagagag agcggtcaca ttggattcca 147720
cagtaccgac cttctgacga ttcttcattt cacctttatc tatttttatt tttattttat 147780
tttttttttcg agacggggtc tcactctgtc acccaggctg gagtgcagtg gggcaattac 147840
ggctcactgc aacctctgcc ttctgtgctc aagcaatcct cccacctcag cctcccaagt 147900
agctgggatc ataggtgcac atcaccaagc ctggctaatt ttttgtattt ttggtagaga 147960
tggggtttca ccatgttgcc caggctggtc ttgaacttct gagctcaagt gatctgccca 148020
ccatagcctc ccaaagtgct gggattactc acgtgagcca cctcgcctgg tccctttcac 148080
ctttattatc tttgccttta actctagtgc ttcctccctg aatcagttaa ggattgcatt 148140
tggctgcatt aacagaaacc tgactgcaga agcttaacca aatagggtag tttttaaaga 148200
gagattgctt acatcacgca aattgcacaa attttaagtg catagttcaa tgagttttga 148260
caaatgtaga ataacatagc tatataaaac cattccatca aaaaaatttt atcaccatag 148320
gaaattgtgt cctgtccctt tcttgtcaat cccaactcct ccccacaagg caaccttcat 148380
tctcatttct ctcaccatag cttagtttta catgtttcta taatacagca tcataataat 148440
ggaataatac agaatgcaat cttttgtatg aagcttcctt tggctcaatg taatgtttat 148500
gagattcatc catgttattg aatgtatcag tagtgttttc atttatattt cctagtgttc 148560
tattgaataa atatactaca atttgtttat ccacttattt gttgatgaac atttggaccg 148620
ttggcaattt ttgcctatta tgcataaagc tgttaaaaaa cattcttgta caagtctttc 148680
atttcatatg ttttttcttt tctgaggtaa ataactacaa gtagaattgt tgggtaataa 148740
ataggcatcc atctaatatt ataagcaact gcacaacagt ttttcaacgt ggctgtacta 148800
tttcactctc ccaatagcaa cgtatgtgtt ttccagctac tccacatgct cactggcatt 148860
tcctgttgcc agtttaaaca tttcagccat tccagtggat atgaaatctc tctggctata 148920
ataattgtat ttctctgatg actaattatg tcaagcccct tttcaaatgc ttatcagcca 148980
cttctatact gtcctctgtg acatgtccgt tcaatctttt tgctcattct ttaaaaacat 149040
tgggttgttt gtctttttct tagtttgtct tttgcttttc atttatagga gtacatatct 149100
tcggaataca agtcctttgt cagataaatg tattgtgaat aattttctcc tagtttgtgg 149160
tttgcctttt cacattctta atatcttttg atgagtggaa actaactttc aaattatgtt 149220
cagtagatta acttgttttt gttttgtttt gttttgtttt ttgtttttaa cactgggtct 149280
cacttgttgc ccaggctgga gtgtagtggt gccatcatgg ctcactgcaa cctctgcctc 149340

ctggactcaa gggatcctcc tgcctcagcc tcccaagtag ctgggaccac aagcacgcac 149400
cactacactt ggctactttt ttatattttt ggtagacaca ggatttcgcc atgttgctca 149460
ggctggtctg gagctcctga gctcaagcga ttcacccacc tcagcctacc aaagtgctgg 149520
gattacaggc gtgagccacc acgcccagtc gagtagatca agttttaatt ttatggccag 149580
tagagatcta tttcaaggct ctctattttg ttctgttgct ctatttatct acctttatgc 149640
caatttttctt ctcttttgat tcagataggg ttataataat aattattttt tccagggatt 149700
agatggacca gggctggtga agttgttcaa gggagtgatc aagagcctgg ctcctttcat 149760
ccttctgttc catctccttt ggctcatgga ttttgttttc caagtggcaa gatggcgcct 149820
ccacctttgg tatcctattt tagttcctgg cagaaagaaa ggaacaggct aatggccctg 149880
atgagtctac ccccttttaa caggagaaaa tttaaaaaac aaaaaccatg aaacccttttc 149940
ccagaggcaa caaccagaat tccatttatc tttcattgac cagaacagac cacatggtca 150000
ctggtggtgg caatggagac tggggagatg aatattttta aggtggcata ttccagaaga 150060
acactgtgca ctgattgcat taatgaaccc attaatgtgc caaggggagg tttacctatg 150120
agcatgggca aattagaacc cactcttgga gctgcaggtg agccaatccc acctaaacag 150180
tgtggatgct acaagatggg gaagtaaatt gattctattc cataccctaa cctctctcca 150240
agatgtattc ttaaaataga agagggaaga cagaagaaaa catccagaat atatttttat 150300
tgtcttttac ttcttcagtg cattttagat cagtgcttct caatctggca aggggcatgc 150360
aggaggatgt gagttttatc aggaaaacta cacaaccccc caaccacaat gctaccccca 150420
ctcctgtgga ccttctttaa gagagactca ctattataga tggagttgat acgattttaa 150480
gagaggccat atattatttg ctttctgtct tgaaaaactt gtgatttttc tgtattgtgc 150540
tactgccaaa gagaatagaa acctgactga ggtgtcaatg tttatgtaac tgatttcatg 150600
tactttctgt agttctacca tttctgatgg ttaaaaattt cttgtgtgtg tgcagttggg 150660
gagtgtgtcc tcctccttct gctcttatac cacacattag cacatcaaaa tgctctaatc 150720
tttgtatgat tatgtggcat gtggtgatgc agcctcacag tggaaaaact tctcttgggc 150780
cattgcaaat gtaacatttc tttcaatcag atagtgccat taaggatttc attatggccg 150840
tcacatcctg tgacatctct aaacatgcag cattagggcc taagtgcagc cctgcaggta 150900
gagttgccag gtttaacaaa taaaaattac acgctggcca ggcggggtgg ctcatgcctg 150960
taatcccagc actttgggag gctgaggcag gtggatcatt tgaggtcagg agttcgaaac 151020
cagcctggcc aacatggtga aaccccatct ctactaaaaa tacaaaaatt agctgggcat 151080
ggtggcaaat gcctgtaatc ctagctactt gcgaggctga ggcaggagaa tcacttgagc 151140
cctggaggcg ggggttgcag tgagcagaga tcacaccatt gcactccagc ctgggtggca 151200
gagcgagatt ctgtctaaaa aacaacaccg tatttggggc atgctgatac taaaaaatta 151260
ttcattgttt gtctgaaatt aaaatttaaa ttgggggccc tgtattttac tgggcaaccc 151320
atttgcaata tcagcaacaa tctcttattc agaccactga ttaagtgtgc aaaatttgaa 151380
tctctgaaca gtacctatgt ccttgatatc ttaaattaat gagtgtctta gacactcaaa 151440
gcaggaggaa gcattatggc agatgtttga gccccagaga tgtccatgag cacagcatag 151500
agctcagagc cttctttatt atttgcttca cgacagagca aaggactgca gcaggttgac 151560
tgatataaaa gttttaccat gtctcacagc aggcctttgc tcaagtttcc agtaaggata 151620
ttgtatcatt tcttgcctgc agtacttgta aatccactta cactgcctgc tgttgagtca 151680
tttgtttcgt cttgagtagc atgtcatcct tgttcctaga agatagtgag tttagagaca 151740
gtagccaagc aacagcagag cagcctcaac caaaacgatt ttccattttg gtgggatgaa 151800
ttgaaacaca agcatcttct atccagggga gatttgggga tcataaagaa tcaatctgag 151860
ctggtaccac catattggct gctgcatttt ctagagttgc cgtaactagt ctcacaagct 151920
gggaggcttt acacaacaga catgtattgt ctcatagttc tggatgctag aaatctggaa 151980
tcaaggctcc aggggagaag ctgctccatg gttttctctt agcttctggt gttgccagca 152040
atccctggtg ttccttggcc cgcaggcgga tcactcccat ctctgcctcc attgtcacac 152100
ggcattttcc cagtgtgcct gactctgtgt ttcttctcat aagaacatcg gtcatattgg 152160
attacaggcc cgtgctactc cattatgacc tcatcttaac ttaaacaatt acatctgcag 152220
tgatcctgtt tgcaaataag gtcacattct gaggttccag gaattagaac atagacatat 152280
cttttgggaa caaaattcca gtgataacag tttcggagac agactagtcc tggagtttgt 152340
aaggtgagcc aggaccaagg tgccaggatt ctcattttgt aaggtccagg aacaaagtga 152400
tgttaataga aagaacatgt ttttgtttgt ttatttgttt ttgagacagt ctcactccat 152460
cacccaggct ggaatgcagt ggtacaatct cggctcactg ccgctgccat ctcccaggtt 152520
caagcgattc tcctgcctca gcctcctaag tagctggaat tacaggtgtg tcccaccatg 152580
cccagctaat ttttgtatat ttgtgtgtgt gtgtgtgtgt atatatatac acacacacat 152640
acatacatat atatacatac atatatatat acacacacac acatatatat atatataaaa 152700
tatatatttc ttttagtaga gactgggttt caccatgttg cccaggctgg tctcgaactc 152760
ctgcgctcaa gtgatccacc tgtcttggac tccctaagtg gtgggactac aggcacaaac 152820
caccacgccc agacagaagg aatatgtttc cttccagtct cacttgactg gctgcttccc 152880
tagataacaa cagaggatgt ctgttgcagt tctcattgct ggggagtcta aactggaata 152940
aaacacccac tatctccatc aggcttgcac tagagcccag ctctagctgg agagaaagaa 153000
gctaacccgc acagacacag gactgtaggc agggagcatc cgggggtatt tgggtcctgg 153060
ctctgatgtg cctaaggcca acttctctct ggccatgctg gcgtgcatga gctcactaat 153120

cttccttttt gccttccatt ttctccaatc ctgacttagc aaaggttggg caaaagagac 153180
tctgtgtgag ttcgagcaaa gcctgagatg ctggattttc caagatacga gaaggggctg 153240
ggggctgggt gaactggtgg tggaggaggg aaggattaat ttcccaagga ggggaagggg 153300
ccaggacatc aggccccggg gactttgaag agagggtcgt gggtaggagg tagatcaagt 153360
ggagtgacac aaaggtcagg aaagaggaag tgtccacact gtccttcgac agacttgagt 153420
ctatgggact tcctccctgc acggtacaag gaaatgagta agtgagataa tgttgtaact 153480
tctggccctc tgacattgca ctgccccgat gtcacagttg gaaactgtac ctgcccccat 153540
ccttgtctgg ggtgtgtttg gtctggggag ggctggtgaa gcaagaggta ctcagaaaaa 153600
ggacagaaat tgcttcctat tatctgggca tttggaggtg aaggggtcac agctctggca 153660
aagatggggt tgaaagggcc cggactccag ggaggggcag ctctgcatgg cctgattcct 153720
gcaccccacc tttgcccccc cacacctcct ctcatctccc gtttttgaag aggaggaccc 153780
tgtcacatct ggacaattct gcaagaactc tgtagaactg acttcactgt gaaccaggct 153840
ccagaagtca acagaaacaa aaatgctcac atttaatcac gatgctccct ggcatacaca 153900
gaagactctg aaaacttctg aatttgggaa atcctttggc accttggggc acattgggaa 153960
cataagccat cagtgctggt gtgtgtgtgt gtgcgcgcac acgcgcatgt gtgtgcatct 154020
tctaccatgc ctcctacaaa tttgacctgg gcccagggcc atgttcggtg gtttttaaga 154080
accgaggctc ccagaagcag tattgggcag ctagagtggc cccaggatct atatcaaact 154140
ctacctgttt ctgaaccaaa tttcttctag aattttattc cataaatctg aattatggtg 154200
tcagactcct agcatacact aaaggaactc tctgccttgc attaaataac aggagttacc 154260
cctggaggta actcctagcc ctggctcttt agagaacaga tgccgaatag gcattagggg 154320
atgtgatgga tgtgctaact ttcaaaaaaa aaaaaaaaaa aaggcctgag ctgagtgctc 154380
agagattcac aaaaagctga cagcatctct ctgttccatt ggaagctggg tgatcctttc 154440
tactctttcc tgagaaaggc agttgggcag gaaaaagctg tatctctgtc ctcactgaga 154500
gggtttccca gtctgagggt gaaggatcag gagagggaga cctgacgggt cgatgtgggg 154560
catcatccac ttgagtgaga accagaggga tcccgtcatt gcccagggca gatgctccat 154620
tttgggggggc atcattcatt ctttcctgtt ctccctgcat tcctctggct cctgcccagg 154680
agaggtggcc gctggcaaga gagcttggtg gaggtgggag gtgggaggtg gggggtgggg 154740
ggtggggagt tcttgagcca ggacctagcg catagtctcc agcctgctga tggctgtctt 154800
ggatgcttca aaggggagaa gatcctagat gtgggaaaca ttggtgggcg ttctgctggg 154860
gcatctgtag cctctgagaa ggctaccagt ctctcctaag cttacgccgt cacaccctgg 154920
gcacttgttg aatgacttta cttagcttac agcctctggt tcctgttggg aaacttaggg 154980
cttgccacag tgttcatttt cctttgcggg caactccgtt cctggcactt atcatattac 155040
ccactgtact ccccgcttag agctgtgtca aggttctgag aatctatccc ttggcttgga 155100
aggggtcatc tctctggcca gatcatttcc tgataggtcc tgaggcacca caacacatag 155160
gaggcttgtc ctctctctgg ggttcactgc cttgctcctt ctccaggtca atatgtgacc 155220
ttggaccggt tgcttgagtc ccctggtcat tcagaaacaa ttgggtttcc ctggctttgg 155280
agcctggcag cctggctttg agaaccgggc tttaacttgt cacatgacta tggccaagtt 155340
cctggggctc tccaagcttc acttcctctg taaaaagggc aataatataa tacctgtctt 155400
attgggtttt gtccatgtta gatgagacat tgggtacaaa gcacttggtc ccgtgcctgg 155460
cacatttact gcacttaatg tatgatagtt ttcttattat tctaataaac aatatggctt 155520
tgggagtata gttctgccac attgcagtgg ccagagtgaa ggtggtgagt gccttctggg 155580
gccctgggag tcaaggttat ccgcatgccc tttcttgctt gctcctcagt gtggctgcct 155640
ctatgtccac accatgcaga tgcaacaggt agtttgaacc tctgaggccc acagtgggat 155700
ggggaggcag ggacatcact tatggggtgg gaagtcaccc attccccagg aaatggcccc 155760
agctgccttt tccatgactc ctcttgaaac cctgtggagg ccacattcgt gttggggcgg 155820
tctttcccat gaggatatgt tcagatgccg aggcattttg aaaagccctc catagagttt 155880
cctttcataa cacatgatca tccccttggg cttctggttt tttttctttc aggaccttat 155940
tttcaggcaa gtggcctttg acctctaagg ctgtcctttc ctagctaccg aatccagcat 156000
tcaaagtgat ggaaatatgt atatatagta atagtaaaat atcagcactt aatggcctga 156060
taagaatgtc actgcaatgc tgagtttgga ccaacatttg cctgctcctg ccattgagcc 156120
cgggctcccc tccagagctg agctgctgca agggatctga gtaactaggg ctgtgtcaga 156180
gtggcgatga cagccaccac atgctaagga agagatcccc aaggacaagg agaatcccac 156240
gtggagctac ttgcttcttt gtcagtcttg tttttcttat ttcacaacct tctaaaacac 156300
aatctctcaa cctctattgt tagcttgcat ttttcaatca tgagcacagc tttacctggc 156360
tccatgcttt gattgactct acctgccaac actgcaacaa cagggaaagg gacaccggcc 156420
tcataccatt agatggtgtg tagcctgggc atgaggataa ttaaaaactc ccaaggggat 156480
tttaacatgt aacacagttt ggaaaccatt gatgtaagat cttcttactc aacatgtgct 156540
ccaaggagct gttgtatcag cttatcagaa atgtagatca ggccgcactt ggacctgtag 156600
aatcagaatc tgcattttat cagattccga cattatttgt atgaacatta gcttttgaga 156660
agtgttgctt taagagacta agggggtcaa tctacctcac tttgcagctc tgtgttcctt 156720
agtcattggc taaaatatca gccccctgc aatgagccat cctcccttgt atagtcagtg 156780
atggcctgtg aacctttagc caactggaag tgggagggga cacagtccac aaaacactat 156840
cctgactttt gacaccaact acaagtcaag gggttcccca aaccaccctg agttgtgata 156900

attcgctggg agatctgaca gaactcactg aaggttgtta tactcatggt tgtgatctct 156960
tatagggagg gaatacagat taaaatcagc caaaggaaga agcacacagc acagagtcca 157020
ggacagtgcc tgacatggag cccctacggt cctctcccgt ggagtcacgg acagcgccac 157080
tctcctggca ttgatgtgtg acaacacaca gggagtgttc cccaccaggg aagccttggt 157140
gtccagggtc tttactgtgg ctctgtcaca tgagcacagc tgactgccca tgcggccgat 157200
ctgttcccag actctccacc gctacacatc actcacagtc cctgctctaa atcacacacc 157260
atgacccaat gtccccgggc aaatgaaaac acctctagca ggcaggacgt tccaaagcct 157320
tagagatcac ctctcagaag ctgagggcag aagccagacc tctttttggg cagggttaaa 157380
ttctttatta ctgtttttga aaaaactccc aaattgagtt tttcctcttc acttacagca 157440
gcataacaac aatcatcaat gcagaagact tctgcgagca aaggtgtggg ggaaaacccc 157500
aagcagtgga cactagctgg tgtcctccaa tttgattctg atgctgtcta ctgggagata 157560
gtgtcagatc ctcaagccta aaccctcctt ctcccagtca gagggctggc ctttggaact 157620
tctgaccaat ccacttcaag ttgaggttcc aaccactccg ctctttgggt ttggttgatt 157680
tgctagagtg gctcacagaa ctcagggaaa cacagctacc agtttattgc gaaggacatt 157740
ttaaaggata aaagtaggca gataaagaga tgcatagggc gaggtgtgga aaggtcccta 157800
gtgcaggagc ttctgtccat gtggagcggg ggtgcaccac cctctcagta catgaatgag 157860
ttctccttca cctgcctatc agcctctaca tgttcagctc cccaacccag tcctcttggg 157920
tttttatgga agcttcaaga cacccacatt ctttccccag agtatagggc aagaccttct 157980
ctggggaggg ttttaagacc cacagtcaga aaggtggggt ggggtcaaga ttagagtcct 158040
gccttgacgg gcaggtgaaa ggggtagggg gagtaggtga gaaaaattct gtttatttt 158100
tctttttttt tttgagacgg agtttcactc ttgttgccca gggtggagtg caatggcaca 158160
atctcagctc actgcaacct ccgcctccca ggtttaagcg attctcctgc ctcagcctcc 158220
cgagtagctg ggattacagg cgtgtgccac catgcctggc taattttgta tttttaatag 158280
agacagggtt tctccatgtt ggtcaggctg gtctcaaact cctgacctca ggtgatccac 158340
ttgcctcagc ctcccaaagt gctgggatca caggtgtgag ccactgcatc tggccaaaag 158400
attctgtttt tgaggcctgc ctctgaggtc taacacactc aacattataa caagactgta 158460
gtaagggcta tgggagttat gagccaggaa ctgtggatga aaacctatca cagatatgca 158520
tatatatata tatatatata tatgcatatc tataataact ccacaactac acactgcctt 158580
attgctcagt tcttctctcc atgtctctga cccacccttg ccccttcct ccatcctttt 158640
ctccattgca tacccatcca ctgtgccctt tggaatgctc acaccatgaa ctgcaaactc 158700
tcgtgtggct tcagcctctt ctctgaaagt tcctctcacc tattactttc tctggaacct 158760
gccatccctg ccaccttctc aaaaaaggcc ttttattctc ttcattccac aaagctcagt 158820
gtcaaaacat ggggtttaca ctggaagctg aggtcacatc agtagccggg atcagggtcg 158880
ccctagctgc ccaatgcagc tcccaggcct cctgtaaaac cttgaccttt gaggtcatga 158940
cagccctctc ctgctatgct catagctgac cactgaactc ctggacactc cctcccccaa 159000
gttcacagag aatgtgggca catgccttac agtcttccct tgatccaaac tactgccttc 159060
atcttgagtg acagcagcat cttttggatg tcttggcctg tctagcttta ttttttgtg 159120
ttctgccatc aagttgctac ttctgttgcc atcgtgcctg tcagcgcagt gcaggctgtg 159180
gtgaaatccc acgaactcag gcatcacact gaccgggtct gagtcctgtc tcagttgtca 159240
gctagttgtg caatgaaggg aaagggacct acactttcca agcctcaatt cactcatcta 159300
tggcatggtg acaataatgg aggttgattt aaagtccttt gtaagaatta agagttataa 159360
tagacataaa gtgctgtatc tggtatacct agaaaacatt ccataaaagt tagtaattgt 159420
tggtcatgta atgatgactc tctaggctag gatttcagct tcattgcatg cacatggtgc 159480
actcacaggg cgtgacctct ctctgtctca gtaacctcat ctgaggaccg ggataatcat 159540
accgcttcaa agggatgtca taaagattaa ataatatgtg taaggctgct tgcatttagc 159600
tgcattcaac aaatatttct gtatctttct cctcatttct ccttactttc ttgcttatta 159660
tctgctctag gtatagattt cagagaacta agcttgttac aatccttcat aaaataacca 159720
ggttggttag ggcatttcca agagtcaata ctgtttagtg actattctct gtttaatcta 159780
ttttgattgt ccagggtcat cttttgctat gtcataggtt gttggcttct tctagagaag 159840
tgagacgatg gacaagttcc aagtgagtga ggcgactggt caggatattc cgctgaaaaa 159900
ctcatgtcag ttctaattcg tgattgtaat tcaatcacag cctgagaaca gtaggactgt 159960
agttcaaatg ctctgttccc ttttttttt cccagaggat aatttttttt tttctttgag 160020
atggagtctt gctctgtcac taggctggag tgcagtggcg tgatctcggc tcactgcaac 160080
ctccgcctcc tgggttcaag caattctcct gcctcagcct cccaagtagc tgggactaca 160140
ggcacatgcc accacgccca gataattttc gtatttttag tagagacggg gtttcccctt 160200
gttggccagg gtggtcttga tctcttgacc tcatgatccg cccacctcgg cctcccaaag 160260
tgctgggatt acaggcgtga gccaccgcgc ccggcctcta gaggataatt tttaaatgtg 160320
cttttgcatt tggaaaatgt gattggcatt tttttctaat tttctaatat gatacgctgt 160380
cggatgctat ggattactta aaccctctgg ctacctagaa agatctttaa gtggttctca 160440
acaagcttca tacgcaatgt aaattgtatt atctctcagg atgtgtgaga acatctgttt 160500
ttcttctaat gcagtaaaca tataagggtc tcttgggata tcttttaaat agacttaata 160560
caacattcag gaatgataac aaaatataat cacagttgta agggaatgtg agcatttcat 160620
attaataaca ttggaacctt atgtttaata cagtgttaaa agttgacaaa catgtaggag 160680

tcagaaaatt caattaaaat tatcacagta atatgaattt agccacatcc tgtgttagtt 160740
atgaaatcca tttaacacca caaacagtaa tatttttagc cagtttattc aaaaggaaaa 160800
caggaactaa accactttca tgcaatatat actctgttaa tgtggtcagg ctaattttgc 160860
tgggggaagg aacttaactt ttgaatattt gaatgcccag tcatttaatc tgaatatcct 160920
atttccttgc atgttgcaaa atttttgtca ataaaaggca gaaaaagaaa tctcttctcc 160980
atgctcatcc ctaagagaat gggttgtctg taccctgaga gcattttatg gaggggacaa 161040
ccacttttct aattttcctt cccacttctc tgtgggcaca aatgctcttt ggttgaaaga 161100
gttgtaattc agtcccaaga tgaggtgtgg ttactgcatc cctaacctat atctggggac 161160
cccacagcca cacacatggg ggaaatggag cttgtcattc agttctccag ccattgcaca 161220
gggttcatgg actcttcgtt gatcccaccc cacgcttctt ctctctgcta gccgaacaca 161280
cttctctctt ctttatcagg aggccatagg agaagggcat tcatttttaa tacacataca 161340
tctgcatcaa gtctaatttt gccatgtctc aatccaactg tcaaatgggt tgtttggggg 161400
ctatggtgct tatcaaacat ttactcaaga atagccaaaa ttagccaagc aaggagaact 161460
tcagcaacgt tcccaaatgg ccccaaccaa gtactgtaag actgaggata gctaaagggt 161520
cttgagaggg acttctcagg cagtggcccc gacatttatc tgtttttttа agtgagaaat 161580
ctgagtacca ttcttgactc ctcttcctta cccccaaccc ctcactaagc cttgtgctac 161640
tatttagtaa acagaccctc aatgcacaaa cttctgtcta aggccatggc caccacccta 161700
gtctaatcca ccatctcttc tctggaacag accccagctg ctctccctgt ctctgtgctg 161760
gtctctcaat ccatgctcca cactgcagcc agagtgctct acaatgcaaa tccatttgtg 161820
agactcctcc tcttaaaatc ctcaagtggc ttctctttgc ccccaggatc attttgaaac 161880
tccttaatgg aagaggcatg gccctttggg atgtggttcc ccaacccctc ccacatcatc 161940
ttttcaatca gatttcccac taaatggaaa ttttttcagg tcctcaactt tatggtgact 162000
ttctcttgct caggatcttt gaacatactg tttcttcttt ccttttgtat ttgccaagac 162060
aacacttcct ctggtaagat tttcctgaca tcctctataa aaaaagattg agatagttga 162120
ctacccaaaa tgtttcccat tcattccaag ctctattcaa ggcagtaaag tgcccggctg 162180
acagattgca ttcctcatct tttctgaagc tagcaatggc catgcaacag cattctggcc 162240
aataagatag aagtcgaagt tgaagggtgg gatttccaag aaagctcgtt gaagacataa 162300
ttcctcattt cacttcttac tctttctctt tcctgcttcc taaaatgcgg tgcagatggc 162360
agacacttca aagctgtctc aggcaatcag gtgatgttaa ggcagaaacc agctttatga 162420
tgggtagaac aggaagaaag aaggcaccta tgttcttgtt caccttgaac cacaccagca 162480
ctgccttgcc taccctgga attcctttaa tgagaggcaa atgagagctt acgtgtttaa 162540
gccattgcta ttttattttt ttttgtttat atgcaaaaga acttaatcct aactgatatt 162600
aacactaact gggtctattg cttggtacca agccaatgca tgacacatgg tatatatgct 162660
cagtaagtat ttgttgaatg agtgaggcaa tgaaagaaca tagaggatat atataacagt 162720
cctcctgccc agatgtcatc tgatcctctt taggatctgg gcccataaaa ctgtatctga 162780
tatagtttga atatttgttc cctacaaatc tcatgttgac attttatccc taatattgga 162840
ggcagggcct agtaggaggt gttttggtca tagtgataaa tggcttggtg ccgttctcac 162900
agtaacgagt gagtttttat tctagtggtt cctgcaagaa ctgattgtta aaagagcttg 162960
gatccttcca cccctctctc actcttgctt cctctctctc accttgtaat ctctacaagc 163020
tcttcacctc cccttctcct tttgccataa gtggaagatt tctgaggcct caccagaagc 163080
agatgttggt tccatgcttc ttgtacagcc tgcagaacca tgagccaaat caacttcttt 163140
tctttataat tatccagtct caggtattcc tttatagcaa cacaaatgga ctaagacagt 163200
ttctaatgct atggttcctt tagtaggtca gtgtaaaacc ctggatcact cctgtaacaa 163260
attacttgga actcttctca ccatacatat ttaaaaatag ttgccatgtt gaaaatccta 163320
taagatcata ttttatttca aatccaacaa ctcattgcta aggagataca agaagcagaa 163380
aatacagaga gactaatgtg ttgatgattt ttgtgaggga cataaggtct gtgtctagat 163440
tcatttttt gcatgtggat gtccagttgt tccagcacca tttgttgaaa agactatctt 163500
tgctccactg tattgctttt tctcctttgt catagatatc tggtcacctt accttagagt 163560
cacagatgaa tggtcctatt acttaactac tgaaaataca ggccaaagca aacagaggaa 163620
taagggatat ataataaagt atttgtgtac ttgacttggc tctaaaggaa gcattgcgtg 163680
tctgtgtaaa aagaatgggt gagagttttc caccattcaa tatttctaat ctttctgaaa 163740
tacaaagcca ggacatcctc taatccatac attccatagt ttggttaata taaattcctt 163800
tattaaatcc ttattaaata aagttattta tgtttctatg aaactcattt taactcctaa 163860
gtgaaaaata ctactgagct aactaaacat caaacatttt taatttttta aatttttta 163920
gagacagggt cttgctatgt tgcccaggct ggctttgaac tcctgtgctc aagcgatcct 163980
ccaaactcag cctcccgagt agctgggact acaggtgcat gccactgtgc tcagctaaac 164040
atttttttga aatgctcttt taaaatcaat tttattgaag tataagttac ataccataaa 164100
agtactcatt ttgagtgtac agattgacaa gttctgacaa atgtgaacaa ccatgtaacc 164160
atcaccaaaa ataaagatat gagacatttc cattacccca aaaagttccc gtgtccctct 164220
ccagtcaata tccagcccta gccccagctc caggcaacca ccaatctgct ttctgttgct 164280
ataaattgta cttatctttt ctagtgtttc atacaaatgg aatcatacag catttactct 164340
tttgtgtctg tcttcttctg ctcagtgtaa tgtttttgag attcatctat gttctgtgcc 164400
tcagtagttt gttctttttа ttactggata attccattat aagaatatac cacaatttgt 164460

ttatccattt actgcctgat gggcatttgg ttgtttccag ctttgaacta ttttgaatcc 164520
taaaagactg ccagttttga atgagacccc agaacaatga atgtaggctc tgtatacaag 164580
ttcaggctgc tgggcaactt aggccttaag acacaactct gccacttagg ccttaagaca 164640
caactgacat gatggtgctt aaagtggctg tgatggaaaa ggaggctgtt tggagccttt 164700
ggagtgcctt tataggtgaa ccccagcata gcacctaatg atttggagca aagctgtgtc 164760
attccccaaa gataactatt cgccttttga gaaacatctt ctagctacta tcaataataa 164820
acacagaatg catcaccatg ggccaccgtg ttgtcttttg acctgagttt ccattgtgaa 164880
caagagtcat ttgatccaag gcagaaagtt gggtgcacac agcagtgttc catcatcaaa 164940
tggaatatga gattgggccc aagtaggtcc tgcagacaca aataagttgc aagagcaagt 165000
agtacaggcg cttggcctgg ccagtactgt tgccaagttg actgcttccc ctcagtctgc 165060
atctgtggct tcatggggag tttcctatga ccacttgatg gaggaaaaaa caaattggag 165120
catagtttat agtgctggta ctacccaaag tggctagctg aggcactaca tctccactct 165180
ggggtgcccg tgaaggacag tgccaaagga aaacccccctc agtgagcaga acttggagca 165240
atacaagtgg gtgttcattt tacctagaag agaagatgtc cgtgagttac agatctacac 165300
aaaatcacag agagtggtta atcgtttagt ctgatggtca gggacttcca agagacatga 165360
ttagaaaact ggtgacaagg agtcctgggg aagaggcata tggatacctc tgaacacaca 165420
caaaacatga gaatatgtat cccatatgaa tgttaaccaa agagcagcca caacagaaga 165480
ggattttaaa atcagctgaa taagatgatt cattctgaca gcatcagcta gtctctttcc 165540
ccagccactg ttgcccagtg ggcttacata tatcatggcc atgggggcag ggctatgtat 165600
ggacacagca acatgaattt ccactcatca aggccaattt ggctccagcc attgctgagt 165660
gctcagcctg ccaagataga aatctacgcc aatatggcac cattccctgg gctagaaaac 165720
caactggtgg aaggttgatt acattggacc atttccatca tggaaggggc agtgctttgt 165780
cttccctgga atagacattt actctggata tggatgtgcc ttccctgact actacaatgc 165840
tctgccaaac ctaccatcca tgggcttaat tttatttgtt ataaaatttc aaccaccatt 165900
gcttctgacc aaggaagtaa tcttacagca aaggaagtac agatatgagc ttctgatcat 165960
gggcttcact ggcctcacag tgaagcaggt ggccagatta gaacagtgga atggatttta 166020
aaggctcagt tacagcacca gctgggtagc aacaccctgc tggcctgggg ttatgtcctg 166080
caggatgctt taagtcagtg accaatatat gatgctattt ctcccattgt caggattcat 166140
gggtccaaga atcatggggt caaaatggga gtggcttttc tcactatcac cctggtgttc 166200
gggtagtaat ttttccttcc cattcctgta actttgggct ctgctattgc agaaatctta 166260
gctcctgtgg ggggaatgct tccatcaggg aatacaatgg tggttccact aaactgacag 166320
ctgagtttgc catctcctcg tgccagtgaa tacacaagca aggaaggggg ttcctttctc 166380
acctagggtg actgatccta attaccaagg agaaattgga ctgccacttc acaatgaggg 166440
tgaggagtat gtactctatg tgtctgtgat taatgtcaat agaaagtgac accaacctag 166500
tacacagagg actgatcatg gtccaggccc ttcaggaatg aagatttgag tcaccaggca 166560
aggaacttgg actcactgag gagggcatat tccaaggaga atattttatc tatgtccatc 166620
tatgtccatc tatattccat ctgtgttccc cttggaattc ctattcatga acatggggaa 166680
ttccaagggg aatatagaat gagtagtgga aggtagttat aaatgtaagt caaaaaccac 166740
acaaccaatt tgagaaatga ggaaggtaat agtgttgaat atgtcttctt tatcttgata 166800
taaatgtatt tgtgcatata ttaaccagtt tatttattta ttattatttt ttgagatgag 166860
ctctcgccat gttgcccagg ctggtcttga actcctgggc tcaactgatt ctaccattta 166920
gtcctccgag tagctgggac tacaggcatg caccaccata cccagctgac cagtttttc 166980
ctattcctct acttaatttc tctactatac aacataatat gtgttaatgg tagttaactt 167040
tatatctcag tattaagtca caagatatca aaaagggaat gcgacttagt tacaagcaga 167100
atgaatatca ctcaaagatg aataaagaga agagggttag tgcatttttct gttggatgag 167160
agaaagtttc attgttaggc agaagcatga ttttgccttt ttttttttt tccaaggtct 167220
cactctgtgg cccaggctgc agtgcagtgg tgcgatcttg gctcactaca acctctgcct 167280
cccgggttca agtgattctc cagcctcagc ctccagagta gctgggatta taggtgcgcc 167340
aggttaattt ttgtattttt agtagagaag gtgtttctcc atgttggcca ggctggtctt 167400
gaactcctgg cctcaagtga cccacctgct ttgacctccc aaagtgctag gattacaggt 167460
gtgagccact gtgcacagtc accacggtct ttttgggagg caactttagc atggttaaga 167520
ggtgcgaatg gatgttaagc taacaccagg taagccctgg tagatgtgta ttgtgtcagt 167580
gggcctacgc tggagccatg tttccccaaa ttcacttttc ctatgtacct ctggattagt 167640
gtgggccact ggagacattt cacatgagat gaggaaggtg ggagtgaagg agcagcatct 167700
ttttacacta agcaggtcgg ggagggcatg tggctctgtc tcacattgtt gggaatctgt 167760
ccatcatctg gttggcttag gtcagtgggt gagttcacag ctgttccagc ttctgctgga 167820
aactccttcg gtttctctga ctgctccgtg atgagggcat cagattctcc tgcagaaagc 167880
cccagtgttg aagttggggc ttcatgttgg tgagtgatag ttacgggttc tagcccaacc 167940
tgtggtttct tgcaaatttc agtgtcagct cagtcttgcg ggttttgggt tgtccttgct 168000
tcccacactt catgcctttc tttccctcct gacagtctgc cctttagatt ttaggattca 168060
gcaccagcca cagaaacagc aacctcactg ttaagggttg aattgtatct ccccaaaagg 168120
taggttgagg ccctacctgc caggacttca gaatgtaacc tcatctggga atagcatcat 168180
tgcaaatata attaattaag atgagggcat actggctcag gatgggctcc taattcaata 168240

caactaatgt ccttctatga cagccacagg aagacagaaa cgccaaggga gaacaccata 168300
tgctgatgga ggcagtggca gctgccagcc aaggattata accagaagtc aggaaaaagc 168360
aagaaggaat cctcccttag tgattttaca gggagcatag ccctgctgac accttgattt 168420
tggactttta ttccccaaaa ctgtaaaaca atacacttct gttgttttaa gccactcagt 168480
ttgtgctact ttgttatggc aactccagaa aacaaaaata cactcagact gtttaatcaa 168540
cctccataat tgcataaggt ctaatcccta taataaatcc cttaaaaatg tctgtgtata 168600
tatatttaaa aatataaaat atcttctagt ggttctgcat ctctggtcaa tccctgactg 168660
atacagaata tgtattttca tttctaatga tgaaatacct gaatgaaatt tctaggacat 168720
atggtaagtg tatgtttagc ttttaagaaa ctgccaactt gggggaattg cttgaggcca 168780
ggagttcaaa cagcctgggt aacagtgata ccctgtctgt acaaaataaa aaatattagc 168840
agcgtgtggt ggtgtgtgtc tgtagtccca gctactcagg aggctgaggt gggagattca 168900
cctgagccca gatctttgaa gttatagtga gctatgatca cgccactgca ctctagcctg 168960
ggtgacagag tgagaaagct ggtctctaaa aaacaaacaa acaaaaaaga aactgtcaaa 169020
ctcttcccaa catgttgcca tttttacatt taccatttta cattcttacc agcaatgatt 169080
gatagttcca gttgctccat acccttgctg accattccaa tagatgtatt gtgttatctc 169140
attgtagttc taatttgtat ttccctagtg attaatgatg tttaacatct tttcatgcac 169200
ctattggcta tatgtatatc ttctttagca aaatatatgt tgttatttga agagcggaag 169260
ttttacattt tgatgaagtc taatttattg attttttttt tcttagatgg ctcatgcttt 169320
ttgtgttatc taaaaaaaat ttgccttctt catggtcaca aagactttct cctatgtttt 169380
cttttggaag ctttatattt ttagttttta tgtttatgtt taagacccat ttctagttac 169440
aatttgtgtg atttttgga agggtcaagg ttcattttct tttccataag aatgtacagt 169500
tgttctagca cccttgttaa aaagactttc ctttccccat tgaactactt tgtcaaaaat 169560
caactgagca tatatgggca tcatgaattt taatcctgtt agaactgaat gttcccaagg 169620
caggccatgc ccatgactga cctccttcc ttggattgcc tacaaaacag ataaagctaa 169680
gtctggagca aagaaatcca tgtctaacct gtatttttt ttttttttt ttagatgggg 169740
tctcgctctg tcacccaggc tggagtgcag tggcgtgatc ccagctcact gcaatctctg 169800
cctcctgggt tcaagtgatt ctcctgcctc agcctcccga ggggctggga ttgtaggcgt 169860
gcaccactat gcccatctaa tttttgtatt tttagtagag atagggtttt gccattttgg 169920
ccagactgtc ttgaactcct gacctcaggt gatctgcctg cctcggcctc ccacagtttt 169980
gtgattatag gcatgagcca ccgtgcccgg ccttaacctt tgttttctta cacaacacac 170040
tacgtgatgt tttccacatg catgggtcat ttgcttcatt tacgtacaaa tgcataagca 170100
atatactgtg tggtgtgagt ttgtgatggg aaaaggaaga agttttgcgg atactacact 170160
ggcttcctgc tatctgtctg tgtgaatggc tatggacttt gtcttctatt tgttcgctta 170220
gcgcagatat gatcagctta caacttaaga ttctagagaa agagggtcat atctgtaaag 170280
cactctgagc atgtgtgaag tttaatcaat agcatatgag gttacagcaa attcactatc 170340
tttgtttctt cagctataga atggcatgag gattcatctc aatttagttc aattctgttc 170400
agaaccatga gctagctgtt catggaagga aagcccacct gattgtggcc agggaaggag 170460
aaacaacact ttaaccaggt tgatttggtt ctcacagaca ccattggcat gtgacatctg 170520
gaacagacca tgcctggtct ctgttcgtat cacttactat tcagctcaat attggtctga 170580
atattcttta gactgactga aatgaaaagg aactgttgtg taaccatcca taattccagc 170640
ctgtagacct gggctgtatc tctatgccct gcctggcaca gaccccacct cctgctcctt 170700
ctccctcacc accagtcaat ccttgtccta atgaacaggg agggcaaccc tgaatgggga 170760
gtggagggaa gagatgtcat gagatggcaa cgtgcaccct gaagtgagga tgaaggctat 170820
gtgaatgttg taggctgaca gccgggcata gtggccccgt tgccatggcg atggaggcat 170880
gttgatgcga agtgtctgca cagctcctag gatttttaac agcagctggg cagagcctcg 170940
gcgtccctga attgttgccc ccctgagtca ctgcttggcc ccagctgtcc tgatctctgt 171000
tgacaaatgg ttgtccttca cagtcaaact actaacagta ctctaattaa tgaatgtgct 171060
aattattctt gcctactccc agcatatttg tctaactaac ctgtcacaca cagatcagtg 171120
cagcatatgc ataattacgg agagcgctgg gagcagggga tgggtgggag aggggtgggc 171180
tcgcagccct gtcgctgtgg gatatttctt gtaaagttac ctttgctaac ggtcagatgt 171240
cgtggggata tgttatttcc cgtgaagtgt atatgtcttc ctttctttcc tttctaagaa 171300
tctctcttca gggctgaggg gccattgctc agtgctttag cctgtgaggg gattgccagg 171360
tacaaatgca gaaggaccag ggagcccagg ttctgaagac gattccggta gcagcacgta 171420
gggtgattaa aactccagac tttaaagcca gaccggcctg ggcttgaacc cttgttctgc 171480
tccttgctat gtgggtcttt gccttgacca cattttttt ttttttttaa gacaggatct 171540
ccctctcttg cccaggctgt aatgcagtgt tgcgatcaca gctcactgaa gcctccatct 171600
ctacagcctc aagcgatcct cctgcctcag ccccgagtag ctgggactac aggtctgtgc 171660
caccacgtcc agctaattta cttttgtaga gttgggggtc ttgctatgtt gcccaggctg 171720
ttctccaact cctggactca agccatcctc tagcctcggc cttccaaagt gctgggacta 171780
taggcgtgag ccacggtgcc aggcccttga ccacattttt aacccctctg aacctcagtt 171840
tcactttctg ggcaatggga ggggggtaat ttgtccctca gagggttgca ctgaggggca 171900
aatgtgaggc tctgggtaca atgcccagta cagactaggt ccccacgaca cagccgctca 171960
gcggctccgg attctgggct gctctggact gcggccaggc ggtcttctgc gggaatccgg 172020

gcaggcaggg cgggctgcgc tcccctcccc ggctctcccg gtgccccttg tctttttgtt 172080
ctgtctcagc agctctctat taagatgaat ggcatttcca aaggcttcac ctctgataag 172140
tgttcctctg cagctgcagc cagaatctta atgtgcgcgc tgtaatttaa tggccgtctc 172200
ggctattaac acgctcttct cgggtgaagt ggactccctc catccccggg cctctgcacg 172260
tgctctgcgc gctggctggg ggtgactcca aggagctcag agcggggtgc ccggcacctc 172320
tcgccaggcg cctttcgacc ttctaaagcg cgaatggctg gacttttctc ccatgtgtgg 172380
ggccccagaa ggtgtggggc cccagaaggt gtggggtccc tgcgttccac ggagcccgga 172440
aggtttccag tgatggtggg ggctgaccac gttggtcccc gtgggtgctg ttttcatgtg 172500
ccggcagatt gggatgagtt taaaagacag aagcgtgtag gatagagaaa cttctttaaa 172560
aactggaaat tttaatctgg ggattataac tattggacag tcaagtgcaa gagtgaatac 172620
acttctcact ccctcctccc aatttttatt tgcgggatta gtcagtcccc ctctgccaca 172680
tgataattgt gagaactacc agggtcttca ttctcctgcc atctggttga cctctccaag 172740
aatggacacc cgggcagcct gggccaatga ggctgtccta agagtttaga tgagagaagt 172800
cagtctttga caggtgatgg aagctgtaaa atgtaaaact ccacagttgg tgaagatgtc 172860
tccaggaaac aggtctgcag agagaatacg tttgacatgc taagagaagc tgagagagag 172920
cgagaggaga gattggaaga aagacagaga cagaggtaga gagaagggaa agagagagag 172980
aaagggacag aagagagaga aaaaagaggg ggccgggcgc ggtggctcac gcctgtaatc 173040
tcagcacttt gggaggccga ggcgggcaga tcacgaggtc aggagatcga gaccatcccg 173100
gctaacacgg tgaaaccccc gtctctacta aaaaatataa aaaaaattag ccaggcgtgg 173160
tggtgggtgc ctgtagtccc agctactgag gaggctgaga caggagaatg gcgtgaaccc 173220
gggaggcaga gcttgcagtg agctgagatc gcgccactgc actccagcct gggcaacaga 173280
gcaagactcc gtctcaaaaa aaaaaaaaaa aaagagagga agggcgggag agagagagag 173340
agaaagctct ctagctccaa ggcctaacca catctctgtt cttttcaact tcagctgtca 173400
gatttttaga ctctttgagt gaataaattc tccttttgc ttaaactagt ttgagctaag 173460
tttctattgc ttgcaactgg aatactttgt aagaggactg gccttcattt ctgatgcatt 173520
gtcactaaga tgtaagtgtt agaagagcta acgctttatg gggttcaaac tccttggcta 173580
ccaaaaccta aacatcccct gaaacttacc aaactgcagg tatgaattgg atctcactaa 173640
ggtgaatata caaatcttgc aagtgctgag ccctaaccaa tcttgtaata actctgtggt 173700
agttaatttt atgtcaaatt gattgagcta aaaaatgccc aggtagctgg taaaatgttt 173760
ttttctgggt gtgttaggga gggtgtttct gaaagagatc agcactggaa tcagcggact 173820
aagtaaagaa ttcccaccct caccaatatg gtgggtgtca tcaatccact gagggcctga 173880
atagaacaaa aagcgggcag aagggcaaat tccctcttct tcttgagctg ggccatccat 173940
cttctcctgc ccttggacac tggagccccc tgttctccag cttttggatt cagactgggt 174000
cttgcaccat tgccctccat cttctcctgc ccttggacac tggagccccc tgttctccag 174060
cttttggatt cagactgggt cttgcaccat tgccctcctt gatgctcagg cctttgaatg 174120
cagactggtc tccaccagca gcttttctga gtctccagct tgcagatggc aaaccatgaa 174180
acttcatggt gtccatgagc atgtgaacca atttctatta taaatctgca atatatatat 174240
atgaggagac ttatttatat attggttcag tttctctgga gagccttggc taatataaag 174300
tctatactct acaaagtgcc ctaggtactc agggagtacc caagtgtgtc atgaccagcc 174360
cgacagccct ggctgctggc ttccccgcac acaactctgc acgctgcctt catcagcctt 174420
tctctctcag ctgaaccgag ggcattgaag cgggcctctg gcactgtacc tatgagggag 174480
caatatcttc ccctacactg acctcttccg tgccgagatg cagccctccc tgctgccact 174540
agttacagtg gtccatgttc cctttcaaag tgaagttttg ataaaagcac ctcttaacca 174600
atgccaaata gctaagtctg ggacaaagat tgcaggtatt ttgcattttc catgtaacct 174660
cagagggatt gccattcaca ctgatctgag ctgcagaata ccaggcagcc acctcaccca 174720
cccagcaggt ccactcttat actttctcag aaagcacagc cactctactc ttattcagtt 174780
gaaaagaatt tccaggaagg tgtttctgcg attgcctcag aaaagtcagt tccctttggg 174840
aatttccctt agggatcatc tgtaactcca tttctgcctt ttacctgaat tctttggttt 174900
ggtttgaatt ctttggttta atttatgaat tccctttatt acttttctct gaagaaatgg 174960
agatatcagc tgtccctccc cactgccatt tattccttcc ttcattcaaa ccttatgtgg 175020
ctgctactta ccgtgtgtta agtgttcact ttttttcttg gaattcaaaa aaagaaggac 175080
agtatttggg gcacagatct tttggtgttc tatacatttt tttaaagttt cattttacat 175140
ttgtgtgtgc gtgtgtgtgt gtgtgtgaga cagtcttgct ctgttgccca ggctggagtg 175200
cagtggcata atcattggct cactgtagcc tcaaagtcct gggcccaagc aatcttccca 175260
cctcagccac ccaaaatgct ggggttacag gtttatgcca ctctgtctga cctgaaagtt 175320
ttgggtttac tttcccttct ttctctttgc tgaagtcaga gatgatggca gcttccagat 175380
tctctggtgc ctgtgctggg ctcgtgctgg tcatggtctt gggtccagga ttcattctgg 175440
agactctcag ggaagtttcc catgacaagg aaatgtagga gagtgtgctg gctttgcgtg 175500
ctcctctgcc aagccctgct tctcctggtg ggacacactg aaccacagcc agggcatttt 175560
ggtggttagt taaaaaaaaa aaaaaaaaaa aaaaaaggaa gaagaaggca ctgtgtaatt 175620
gtgccgggga tcttcagaaa ttgtaatgat gaaagagtgc aagctctcac ttccccttcc 175680
tgtacagggc aggttgtgca gctggaggca gagcagtcct ctctggggag cctgaagcaa 175740
acatggatca agaaactgta ggcaatgttg tcctgttggc catcgtcacc ctcatcagcg 175800

tggtccagaa tggtaaggaa agcccttcac tcagggaaga acagaagggg agattttctt 175860
tgatggttgt ttggaagtca ggcttaaaca attgtgtctg tgtgtgcgca tgcacaaaca 175920
cttttacctt atctttattt tcttcttttt atttgaatgt atagggttgt gtgtatttct 175980
gtgtaaattt ggggttttcc tcctcttagt ctttcacttt tgtggtgatt accagtccca 176040
tttttagagc cagggctgca acttgaaggt tttgctaaaa ccctcaccga agtgtctatg 176100
atcagcattt taactattaa ttaatgtggc caggcaaggg gtggaaggtg agaagactag 176160
aaagggaaca tgatatacac atttactcag atactgggct tttctaacat ctgcagtgca 176220
attgaagtta ccagtcatct gcagtctaaa aagaaagtga ttttgggagg tgcgtagaaa 176280
aaatcatctt attatttttc ctctatatta ctttttttctt tttttctcct gaagaaactt 176340
tttttttgg tgataccttc tttttctcta gcacgtataa ttttggaagc atttttcata 176400
tgcagtgtat acttcagaaa gagagagaga gagaggaaaa ttgtcctgtt cagcgtttgc 176460
atttccatta ttcctgctat tagttaaaaa caacaacaac aacaaaaaac aagcaggata 176520
cctagatctg gaaaagggag aattgtgtag agctgtcttc ctaaagttct gagttagggc 176580
tgcctcagac cactttcata actatctcca gtggctttgt gttttatatt tattaagata 176640
gagaaaaaaa gagtaattac taagggcagc tgctgtagct ttatggtgat tactgaacat 176700
tgacatgctg tcacgttttt ggaactttga gtatttaatc actttgggat attctatttt 176760
cccccatctt gagtgtggac agatgctggt gatgtagcct tctgggcaca gagcaagcct 176820
ccccctcagc ctctgcacca gaaaggctca gcttcacaca ctccaagtat gttttctaca 176880
agaactacac tttgtggctt tctgacccaa acatttttat actaaattac acacaacaaa 176940
gttgtagctc agagagggaa caaatggctt atttaggcca ccattttctt gagccattat 177000
gatttcacac agggctccct tggccctgta aattggcaag gattccatta ttcaacccgc 177060
atacatgtac agagaccctg ctctggccca gatagtattc tgggtacagg cggatagagc 177120
aggaaacaaa acagctacag tgatggacag gtcagcctgc agcaatgcct gcagtctctg 177180
caaaggtagc tgtatgggtg ggcaggtggc tagcacttat tcagctctgg aaggatctcc 177240
cctctggcct ctcccctgac acccatcaat aaaactgagg agcatcggtg gacaggggac 177300
cttgtgcccc ctccctgcct gtgcagttgg ggctgaaccc agctacgaag tttgagctca 177360
ctctctccag ctccctctca attcagagct gaactgtggg aagcttcaga gctctctgtt 177420
tcaaggacag gttctcctca cctctcctaa tggaggtgca ccagggaact ggccctgctc 177480
tgcccagggc tttctcctgg actttgccat catggtctag caaaccctgt tcagattgag 177540
gtgagtggtg agatttcgaa ttctttttga cagataggat taagtcttct tctgtgggac 177600
aagtgggagg tagaggtaag attaaagatg gccaaatgtc tgagtcctga cagccacaat 177660
atggagatct agacttttta cagaccacag ggcacagggg cctcactaac agagttcccg 177720
gaagtgatga gtgtgctggg ggcttcctgg ttgaagagac actagaatgg accagctggg 177780
agctaatttt ttgggctgga gtgtgatggc ctgcacatca ctgcctctgt ccctccattg 177840
tcacagctgc cccttaggag ccagctgagg caatttgtgg tcagagtgac tttgcacagt 177900
tgtcctgcct gtgttcagga agggagtttc tgtggtccct ttgaaaccac agaagagccc 177960
ctcgtatagc tctcaatgga gggggcaaaa cattcaaata actcaggaga taacacaact 178020
atttgttttt aactgtgagt ttttaggcaa tcacaaagat ccagatgtat gtccaagcct 178080
ctctttgcaa ttctaattaa cctcaatgtt gcaaccatag acctacctta cagagttcaa 178140
aaaaatatgc aaaaaccctg cctttcttct tcctcatacc ccaaaatgcc attctgaaca 178200
tttcctgtta gttaaaaaaa gatttccatg gtgttaccag gcactgtaca cagtctgtgt 178260
cccaagacaa ggaggtacag ttccacatgc gcccatgact gggttgggct ctgcactctc 178320
tctatacttt gagagcctga ttttctgtga ttgggcagag ctggcccacc tggtgcaatg 178380
tcctcctctg cctttcaaac atgttttagt catcaagatc ttcaaatttg taacccttc 178440
cagcttgatc cagcagaatg cagatttgga aaaacagaac gagtttaaaa tacatgattc 178500
taagaaacct ggaccagaac tatcaaaact tggtttccca gagaatatag caaatgggct 178560
cattggccaa tactatgaca ttggcttttg agaaaagaaa ggctttattg caaggctggc 178620
cagcaaggag acaggagttg ggctcaaatc tgtctcccca gtttggggct tagggcaagt 178680
tttaattaca cagacgcatt tcttatgagt agcaggcaga gagcctccaa cttcttctgc 178740
ctaggtacca gcagcttaga catgatgcaa acctgggaag cacatactgt atttggagaa 178800
agtgattggg aagaaatgtg agctgagggg aggggctcag tgcccctgag ctacacttag 178860
tgatggcaga ggaaggatgt cctcccgcag gaggctgttc cacatctgct ctggttgtag 178920
ggggagctgg caggcattag cagcggcctc tttcccccaa gagaggcagc ctcctccaag 178980
ttttggcgac attatggccc tgcaatcata agggtttgtg agcatagtgc taaggaggga 179040
aatggagctg ctgttactag ttccacccca acacacacac acacactcac aagaaacctc 179100
acaagcaccg tattggaaga ctttgccatc caacctggga tttgacaggc tctagaagca 179160
gaatcataga ctcatgaagt tcccccaaag caggaatctt ccttacagta acccccaacc 179220
acccccctcc accgcctcca ccggctgctt cttcctgaac actgcagtgt ttggaaaact 179280
cacaaacttc caagcttgcc tttcctattg ttgcatggat tgaaagcttg cgttgtgtga 179340
agaatggcgc ttcctgctgt gcttagtttt atctcatata atctttgcac catttaatcc 179400
ttgcactcac ccactcatgc aactgccttt gcagagactg gaggggccgc tgtaggctga 179460
cctttccttc actgtaccta ttttgttccc tgctttattc ccctgcaccc aggacactgc 179520
ctggcacaaa gacaggtctt tataagtgta tgcaagtgaa taaagatata tatattatta 179580

ttgttatttt tgagacagtt tcactctgtc acccaggctg gagtgcagta gcgcaatctc 179640
agctgactgc aacctctgcc tcccaggctc aagtgattct catgtctcag cctcctgagt 179700
agctaggact acaagcatgt gccaccacgc ccagctaatt tttgtatttt tagtaaggac 179760
agggtttcac catgttggcc aggttggcct ccaactcctg acctcaagtc atcctcctgc 179820
ctcgacctcc caaagtgctg ggattacagg catgaaacca gcctagaaat acatactatt 179880
atttattctt gttttacaga taagcaaagt gagtcatgga gaatttggtt gaaagtccca 179940
aggtcaggag tcgtgaagct gggattaaaa cctaatcatc tgactttaga gagtagacac 180000
ttgctccatg catattgcct ccaattcatt cattcaagca ctccctgctc aagaagttct 180060
ttcttatgtt gagctgaaat ctgcagccct atgcgtttta cccagcagtc ctggtgctgt 180120
tccctaaaat cacttagact gtgcctgctc tttctgtgtt tacagtgtca gctgtaatat 180180
ccccctcttc ggcctaacgt ttctgaagtc ccttgccact gggtctcctc tcctcttcct 180240
gtgttctttc taagaacacc tatgcagata ggtgtcttct gtacagggaa gctgttcctg 180300
agatccgggc atcgactctg ttagaataat ctacgtatga gttatttttt tgagaactat 180360
gtgtcattgc tgactcatat taactctgtg gttaactaaa atctcaagat ctctttatgt 180420
ttgttgagaa acttatttaa cttctctggc cctccgtttc cttcactgag cagtggagtg 180480
attgataacc tccacctgtg gttgctgaag gtcttgcaca agatgatata gttaaagtag 180540
ctagcagtgc ccacgtacgg cggatgcctc acaacggttt gcagccatct ctctatctgt 180600
gtctttgtct ctctctcaca ctggttttgg cttactgtta gcagctagcc gagataagtg 180660
tgtttatggt ctttgcatgt attgtttctg tagcatactg gaggattaca agaggttggg 180720
gagtgagggg gcggtgagga gtagacaaag gcagccaact cttccaagtt tagcttagaa 180780
ggaaggagcg gtaaacccta gttgaatgtt ggactgaagc aggtttgttt ttgttttgtt 180840
taaaggatag ggaagatctg tgcgtgtttc caggataaag aaaaggagag aatatgatat 180900
taaagattct ggaagtggga gaaggagcaa tgaaatacag acttgaagtc agtggcatgg 180960
acagggtcaa gatcacagtt agaggatgca gccttagaga aaaggaaggg gctcggttct 181020
ctgagcaagg agggaaagaa gagaggcaga tgcagagaag tacggcacat cgtgctgctg 181080
gttgtagaaa taacctctga cttttaataa agtcatccct cggtatccct gggggattag 181140
ttctatgacc tccctcggat gccaaaattc gtggatgctc aagtccctga tataaaatgg 181200
catagtattt gcatttaacc tacacacatc ctccatatcc ttttttttct ttttttttct 181260
ttttttttct tttttgtgag atggagtctt gctctgtcgc cctggctgga gtacagtggc 181320
tcgatcttgg ctcactgcaa gctccgcctc ccgggttcat gccattctcc tgcctcagcc 181380
tacaggtgcc tgccaccacg cccagctaat ttttttttg tatttttag tagagacagg 181440
gtttcaccat gttagccagg atggtctcga cacatcctcc atatacttta agtaacctct 181500
agataatctc tagattactt gttttgtctt ttttttttct ttttcttttt gagatggagt 181560
ttcactcttg tcacccaggc tggagtgcaa tggtgcaatc tcagttcact gcaacctccg 181620
cctcctgggt tcaagcaatt ctcctgtctc agcctcctgt gtagctagga ttacaggccc 181680
ctccccaccc ccacccccca acaactggct aatttttgta ttttagtag agatggggtg 181740
tcaccacgtt ggcctggctg gtcttgaact cctgacctca ggtgatctac ccgcttcagc 181800
ctcccaaagt gatgggatta taggcatgag ccactgtgtg tggcctagat tacttataat 181860
acctgataga atgtaaatgc tatgtaaaca gttgttatac tgtattgtta aaagacagta 181920
acaagaaaaa aaatctgtac atgttcagtc cagacaaatg gttttctgtt tttttttttt 181980
ttttttaata tttttggtca gtggttggtt gactccagga atgcagaacc cgcagatata 182040
gaaggttgat tatgcgttca gaggcaggga ataccatctt gggttccaga aagaaaatga 182100
tcagcatttt ctgtcatact ctggtaaaaa cagatctttt gaatggacag gtgtattaaa 182160
ccctgtggag ctggctgggc ctggcggctc acgcctgtaa tcccagcact ttgggaggct 182220
gaggcaggtg gatcacgagg tcaggagttc gagaccagcc tggccaatat ggtgaaaccc 182280
caactctact aaaaatacaa aaattagccg ggcgtgatga cgcatgcctg tagtcccagc 182340
tactcgggag gctgaggcag aagaatcgct tgaaccctgg aggtggaggt tgcagtgagc 182400
cgagatcacg ccactgcact ccagcctggg caacagagtg agactccgta tctaaaaaaa 182460
aaaaacaaaa acctgtggag ctgatgaaat cctgcaggga gcttcacggt gacagcaaga 182520
ggagaaacac atccccatat gccccgcaga gtttgaagtc ccggctgcac ctctccccag 182580
cagcaggttg actctggaaa gttgcagcgt tcttacctac agagtgggaa cagtactacc 182640
cattgcacag agtgggtgca aagctctgtg acggaataca tggcaagtgc ccaccacatt 182700
gcctgggatg aggtgggccc ttcctttacg taagagagcc ctacagatac actcaaagtg 182760
ggcacattcc tacagaagga gtgttatttg tgtagaaaag aaaaacatga aaggctttta 182820
ttcctataca caataaagca ccccttaat gtctttttga ggaggataat atgaaattga 182880
tgaaaaggaa ccctgtggtt ggatccctga caatcacatg tatccctttt ttcactcttg 182940
aaaaaggagt aaaggaataa aatagaaggg gagaggggggc agagagacct tcaccgcccc 183000
ccccccaccc cccatcatcc aatctatagt caaaccctcc agactgtgtc tccttggcat 183060
ctctgacacc cccaccgcca ccaccccagt caattcctat cttatccccc tatcctggat 183120
ctgattctgc taagttcctg ccacactaaa gacagggtgg ctttctgatg acaacattcc 183180
tctgcttaaa cctgtcagta attccttgtt gctctcagac ggaactaagt tctgaatttc 183240
ttcacacggc tctcagcaag gtcacagtca ccctgctagg ccccaggggc aaatctcaat 183300
ggtcatcttc ttgaagacct ggctcagtta tttctttctc attgaggctc acgaccccac 183360

cttcttgcat gcctcaaacg gccccttacc atgctcttct ttcgcccata gctcagcaca 183420
ccatatcatt ttaatttatg tattttgctt aatgtggatg atctgtctcc tcctctgctg 183480
tcctcaccag agcatcagtt cctcaaacca aggctctttg ttttgttctt ggatgcaagc 183540
taaatgtctg gcatgtggca aatggtcata gatacatgtc attgaaagaa tgattcatca 183600
cctccctctt tggccttgtc tgtggttcta ccaaatccca ttccctcccc agtgccctcc 183660
attccccctc cttggctgaa cattctgaac cacagacagt tctttaccct gaacctttgc 183720
atattttgtt ctcttagctt agagcggccc ctctccctcc gtctgcttgg ctaatttcta 183780
cttgttcttc agattttatc ttagatgtca ttccctcaag gaatccttct gtgactcaac 183840
atggaattaa gttgcctcct ttgaccctga aagcaccatg tactcaatct catcttggca 183900
tgactcactt tgctgtgtgg aatgtctgct ttccttgttt gtctattcct ttagactgta 183960
agatcctaga aagtgggggc cgtgccttgc tcatgactgt gtttctaaca ccaaacacag 184020
tgttcagtag agagcagctg ctgagtacgt ttctgctaaa tgacagttga tggaggacat 184080
ttagggttgc ttggaggtca agtcaaggag gcatttaaca ttctagtaaa acaaggaagt 184140
aacaggctcc tgaacatgcc cacaatgaac cagatgcaaa ccttttccct tggcaggatt 184200
ctttgcccat aaagtggagc acgaaagcag gacccagaat gggaggagct tccagaggac 184260
cggaacactt gcctttgagc gggtctacac tgccaagtga gtcctaaccc tgatgttgct 184320
aataagtggg ggcatgggca gggggggcctc cttctaggag tgatgaccac ccttaatacc 184380
acatgtctgt ctgagccaag tttctgagcg ccagggaggt gaggaaggtt ggacttcacc 184440
agagaggctt tgtggacacc ctttatcatc ttagtgagtg ctagtgtcaa aacaaaggga 184500
gtggggatat ggggcacatt ggtggaggga ggtgtgatct ctgcagcttc agaaagatct 184560
gaaagagtca tttggttaga gaagttgacc tatttcctgt ggggttagac cagggttgct 184620
actgtgaaca ccagccatga ctcaccagtc accttcagaa gccacaggca ggacatgctg 184680
acgacagcct tcaactcacc caccccttgc tcccctgcgg gtggaagtct ggaggtgaca 184740
ccactgcatt ttctaacacg ggggctcctt gagcaactag aacaagaaca gaaagaatgg 184800
ggacattagc aggtgctttc cccctctctc attcttttct ttgaataaaa aggttgtttg 184860
aaaacacctg agcggctcct aaagatgggt gcaatctatt cgggatgcaa atccgaatga 184920
atgttattca aatgctcctc tcttctttat gcagagtgta tttcaaggct cagccagtgg 184980
caggcatgct ggggactatg gactacggac taggggcctg tcacagagga aggcctcatg 185040
ctagagagct aagggaggag ctggccttca gttccatccc aggagcaact ttgatgttcc 185100
cagagatcct tccaaagggg gagtcatggt cacccaagaa aaatgtattc agaatgccaa 185160
gaatggtgca aactcaggac aaagattcac actgcagggt tggagtccct gggcttgctg 185220
ctggcaccat gggagggagg gtccccttca ggggtaccgt tggtttcctg tgaattaaac 185280
tggcttcaag ggatctcgac tgaacaggcc tatatcacac tcactgatat actctctctt 185340
cagtccttct cctcatctag gtatttttaa ttgtttcagt gaggtgtagg catgagggga 185400
ttggaggggg catctcctcc attgcagttt ttcattggct gctttgctcc ctcagctccg 185460
aaatcgctgg gccactctcg aacgcattag tacggtagtc acaggttgat tgcctggccc 185520
cttgccctct gtgggcattt tccctttcag acagccctg agtactcaca gtgctgctac 185580
agtgggccac ctagatctcc ctctttctcc atgctcccac gtgctctggg ctccactccc 185640
ttctcccaag cacttctgtc cagggctatt ccagcagtct gacctcaagg aaatcctttg 185700
ctaaactgat tatagagagg tttctatttt aacatttagg tcttccatgt attaattctc 185760
agaatcaatt taagatgttt aaaggtgtga tttaagacat tttaaaacca tttggaggag 185820
agtacagaaa ttatgtcact tgctgtcagc ctctttgcac catctgcaga gaaagatact 185880
agagtcccgc cttggacaca tccacatgca agaggtgcaa agaaggtgtc tttgatgagg 185940
caaggtcaaa acttctcccc agacgaaatc caaagaaagc attcctacta tgctatatca 186000
gtttggaaag aaaaacttct gccaggtgac tgcattctca ctggtcacat tgtgttccta 186060
tggactcctc agctcaacca atttggagaa gttatggtgc aatttcacca tatctggtta 186120
gaagttaagt ttccaatttg ctggcaatga agaagaaatg gagcaggcca ggctgtgtag 186180
tttctgccac gtgcccccgg gagtgaacag ctctgtttgt aagaagccat ggtgcttaga 186240
cctgggctcg ctagttgcca gcctccaaat tgcagaagtg ccctttggtt ggtggctatg 186300
ctgtgtcact tgggaaggtc gtttggaagt tccacagtcg ttgtggggtg ccagagatta 186360
aaaagcgtaa gaggagagtg gaaagtgatt gttgctgctt gggcatcccc accgtgtggg 186420
tgctgcagcc cagctctcaa aacccatggg tctgtacact caacctccat gagagggaag 186480
gagaaggatg agggagggga gagatagcca tggaaaggta ggaactaagc aggcagggtg 186540
gagagttttc tgtaagacaa aaactgtctg gacactgctg cggttctgtt acaaagacca 186600
cttcctccct gggccagcaa catatctgtg tgcctgtctg ggttgtaaaa agggtcaaag 186660
atcaatgcag caggcagcta catgctggca aaagccagag gcagctggtc tgtttgcctg 186720
tgccaggaaa ccactgggaa tggggttgtg tgttattcta ggagaaagtc gtcccagcag 186780
cagcttctcc aggggcatcc aagagcactg aaaagggttg caagatgacc catgaggctg 186840
caggaagaaa agaacatgca tttaatcttg ctatctgaaa agtaagacat gaagctttcc 186900
tcatttttaa tatacacatg gacagtagta tgtgtatata gtttatatgc aaatatactt 186960
gttataaggt tgcatgctca aaatttttgg ttcatggggt gtgggatcat aaatgtttag 187020
ggaccatggc tatcaaggaa aaacagcatg aaggataaat gatactggtg gattaaaaag 187080
acagatgcat gtatttttag cataaaacac aactgctgac tgatacagat agctcaagat 187140

tctggggcag ctgctgaaca gatacactag ccagtgtggc tcatcggctc agacttggcc 187200
ttaattaatg ggctgtccct ccacccatct cccatgaggg cagagctgag ccagggtttg 187260
agagctaaaa ggaattggac ctggactctg ttcacgtgta tattttaatt ctaattaatt 187320
cattcttttg aaagacagag tcacactctg ttgcctaggc tggagtgcag tggcacgatc 187380
ttggctcact gcaacctcgg cctcccaggt tcaagttatt ctcctgcttc agcctcctga 187440
gtagctggga ttataggcac atgcccccat gcctgactaa tttttgtatt tttagtagag 187500
acggggtttc accatgtcag gctggtcttg aactcctgac ctcaggttat ccacccgcct 187560
tggcccctca aagtgttgga attacaggtg tgagccaccg tgcctggcct gttcacatgt 187620
ataaaacaca gtttaatgtc ctattcccag ccaatgagca tggctagagc agccttggtc 187680
aaagtttggt ttttggagaa aaatccttgt tagctgacct aagattcctc tttgtgagtg 187740
taagtaagca caggttgcag agaggagaag ggtctctgga gaggtgtaat tttctaaatg 187800
gattacaagt tcatggactt ttaacaggtg ttacagggga taacaagttc tttatagaca 187860
gacttttgag gacgtttaag ggtattctga ttcttggttt tctaagaggg gaatgtatta 187920
tttaactaca gacaccccta ccgcccactt tttgcagagt gtatcaaaac atgtttttgg 187980
aataccaccc tcatgtcgct tctccctgca tctcttatct cttggtgtcc attctagact 188040
cactttcttt ctgtttttta tttttatttt tttttgagat ggagcttcac tctgtcacca 188100
ggctggagtg cagtggtgca atcttggctg actgcaacct ctgccttccg ggcttaagca 188160
atttttgtgc ctcagcctcc tgagtagctg ggattacagc atgcaccacc atgtccggct 188220
aatttttgta tctttagtag agacagggtt tcactatgct ggccagcctg gtctcaaact 188280
ccttacctca ggtgatctgc ccgcctcggc ctcccagagt gctcagatta cagacgtgag 188340
ccactggtgc ctggcctaga ctcactttca agtggcatag acttgtaaaa ttatttaaag 188400
gtgataggtc tacaatgatc ctgtcaatta gtattgacac tattattaat aaactgttat 188460
taattatatt tacttacttt aaattaatcc aaactaatta acggaacact aaagagtttc 188520
tatgttttat tcccagaggt ggagaaaaat gaaagggaat atagcaacga attcttttct 188580
ccataaaaac atgaatagtg cagcacatca agttgaacat accacagcaa attgttgcaa 188640
gatctgctga gtagctccta tttagacctc aaggaatgag actcaaaatg ggttcatcag 188700
ttctgttttg cagaaaaaat agcgcaaaat ttctcaaaag aaaatccaga ataataataa 188760
tttgtcaata ggaaagacat ttccactggg ggttaagaag gaagacattg gaacaatgat 188820
agccaccact tattgaatgc ttactgtgag ccaggtggca cttcaccttg tttcattctc 188880
acaacagtct agggaagtaa ttactaatgt ctccatccac ctcttgtaga tgagcaaact 188940
gaggctcatt gaggctagga aatgcaccca cactcacata gcccataaga ggcagccatg 189000
gcattgggcc cagaccatgt gaacttcaaa gactacacga gcagccactg ggcagctgtc 189060
atggctaaag ccacttgaat tcagcccagc agcaaccccc tctccaggag gggcacataa 189120
gcttgcagct ttgggtagaa gctgcacttg aagtcctgga tggcgagagg gactggcttg 189180
agccagagcc aggaacaagg ctctgagaat attctggaaa tccacaggag gaacccattt 189240
tcttacagct gggagaattt cattcaactc caggctgacc atgttttatt aggaacgaag 189300
gtgacttgaa ctaatagtca ggaatggttg aatacggacc caatgtcaaa tcactaggca 189360
gttcacattt ctaatgagca aatcccttag acaattaaga atttttttcc ttttgcataa 189420
cccagacaaa atcgctactt aaaaacaaac caaagacccg aaacatgaga aagagaagga 189480
agcaggggaa atctttggta ctaataagtt tttaaacaat aagagcacca gatattttac 189540
cccatcagac acagaatgtt attcgaataa ccaaaaaagg aatttttttct ctaagtttct 189600
tgaactggaa aatgaatcat attttctcag tcctgaggct gcaattttgt gcctctagta 189660
acatataaga atagatgtga tgccagtgcc cagtagctgc tgcaattgtt acttggggac 189720
ctgtttattc actaagcact tcaccccagt gataaatttg taggggcctc ctgccctttg 189780
gagctcctac cgtgtccatt agatcagtgg aaattctggg attcagagca ctttgcaagg 189840
tcagcagggg tctgctcttt ctgtcctgtt cctggttttt ggttgtgcct ggattccagg 189900
gtaggtttct catctgttac cttcatagac ttctccagaa aaggatcttt tgaccatcag 189960
aggaccacga agattccatt ggtgaggcgc agataacctg atctctctgg gttctctgca 190020
gggcacagat gaagggctgg ccattcccaa gttctcagtg gtaccactga ggcatgagac 190080
cctaatggtt tgcatgagca gtttgaaaat tgcatctttg tttttaccta tataatcaca 190140
tgaaacccgt ggttctcaaa cgtcagcagg catcagcatc acatggaggg cttgttaaaa 190200
cagatttctg ggccccaaca cagagtttta aattctgaag gcctgaggtg ggtgtgaaca 190260
tttgcatttc taacatgttc tcgatgctgc tgccgcctct ggtcccgaga gcatgcctgg 190320
agaactgcca ccttcgacca tggactgtga gaattcacat ggacctcaga attataatca 190380
gtctctcagt tttacagata aggaaactaa atccagagag attgttttgc caatggtgaa 190440
cagctggtta aagtcaggat ggagacttta atcctagtca agtgaccttt cctctgtatt 190500
tatttccctc ccttttttatg cctctcaagt ctagttacac tgtttttcat ggatgggcat 190560
atttattgtc ctgatctgga ctgcagactt ctcaggagga cacctatgat ttaatttagt 190620
atagttgaag agttaacaga catggctttg gagacagact gattatggtg tgaatcccgg 190680
ctttgccact ccctagctgg atgaccctga gcaagttatt cagcttctcc aagcctgagt 190740
tccttattgg aaacatgaga gcaattgtga taggcagaat aatggccccc tcaccaatca 190800
tgcccacatc ctaatcctag gaacctgtga atatgttatg ttacatggca aggggaaatt 190860
caggcagcta gccagttggc cttaaaataa agagattatc ctggatgatc tgggtaggac 190920

ctgatgtaac cacaagggtc tttttaatgt ggaagaagga ggcataagag tagatgtcag 190980
agtcattcaa aataagaaag atttgatggg ccatccctga ctttcaggtt ggaaggaggt 191040
tctgagtcaa ggaatacagg tgacctctag aagctggaga aggcaaggaa atggtttctc 191100
ccctagaagt tccagaagga ttgcagccct gctaatatct tgactttata gccctttgag 191160
atttattttg gatttctgac atcctgaacc atagtaaaag ggtgtttttt gttttttga 191220
gacagagtct tgctctgttg cctgggctgg agtgcagtgg tgtgatcttg gctcgctgca 191280
acctccgcct cccaggttca agtgattctc ctgcctcagc ctcctgagta gctgggatta 191340
caggtgcttg ccaccacacc tggctatttt ttgtgttttt agtagagaca gggtttcacc 191400
atgttggcca ggctggtctt gaactcctga ccttgtgatc tgcctgcctc agcctcccaa 191460
attgctggga ttacaaggcg tgttgtttta agccactcag tttgtggcca cttgttacag 191520
cagcaagagg aaactcatac agttatcatg tgaactcaca ggaatatggt gagttaaaaa 191580
gagaggaagg gtgcaaaaca tccacggtag agtgagaact ctccagggag tgaggactgt 191640
gcccagcata cagtgatcac cctcttagta agctaagttt ctgagcacca gctttttga 191700
gttgactttg ttgtctttaa catttgaaga tcacccttct ttgctcagcc tggcttgcag 191760
acctgggctg atttgtggat ctgatagaaa agtttcctta gttgggctct tctccccgac 191820
caccccatg ccagtgtggc cacatcctct gtctgcattg ctcactcttc aattccaaga 191880
agcgcagggg caccgccagg aacaggaacc ctgccagagg aatacatcaa gaaaccaagt 191940
ctcccttacg catcaccgta ggaacagagt taatggatta tgaacatgtg tttgctttat 192000
accattgttt gtttcccagg tggcagctgg ctgccccatc ttattgggta gatgtaagtg 192060
gaattacgaa tgggatttat gtttcatgca cgatggtgat tattaacttc aactttcagg 192120
taattttcag accacattgc actaacttgg tctctgattg tttttctcct tgtttgttta 192180
ttctgcagcc agaactgtgt agatgcgtac cccactttcc tcgctgtgct ctggtctgcg 192240
gggctacttt gcagccaagg taactcagac ttccctttgt tcattctcct tctataaagt 192300
gcatctcaag gaggttcaaa gggcaggctt tttgttgaaa ggactttgcc tgacctctgg 192360
ctcccatctg tgaagccctg gagaggtgag agccctcggg aggccgtgtt tcaggcatgc 192420
tctgcacccg tgcagagcgc gtgtgataat gcattgctaa tgcttgctcc ctggtggctg 192480
gctgagagct gctgtgctga caagggtggt ttaaggctaa atgtgactca gaatccttaa 192540
gcagtgttag ttcagataca agggcattat aaatgagagt gcctgaggga tctattttgg 192600
gaccgctgtc acttggctct tctgctaata agcttccagt gtggtggccc tccttcaggc 192660
atgtttccac tgagccacgg gctggatgcc acatccccgg ccttcccaca gttatcagca 192720
gcccacaggc ttgacttgag caagttggaa agacaaatca acttccagag ttgatttaac 192780
attgagtgga aatcagtcat acttttggtc ccctttcggg gccacgcctg gcactgtgcc 192840
tggtggcaga tcggcatgaa ctggccagct tctgtggccc tggagggcac aggcagaaag 192900
gccacactca gtcccatgat gaactgttta agacttattg ttgtctcccc gctctgtaaa 192960
gtagatagag tggattttat gtcccttatt acctttcagg atactttgac tcagggagat 193020
aaagtaactt gggtacagct actcagctgg tgaagaacac aggcagaatg agtgcctggg 193080
tcttttgact taaaattctg gatttttcac aaagatcctc ttactttatt catttacata 193140
ataaatatat attgaagagc tactctgtgc caagccctgt gcctagatat acagtgataa 193200
ataaagagta gcttctagag gtcacctggc ggtgaggcac aggccagctg gcaagatgga 193260
ccacagaagt cagtgaatga agacaatgac aagggtggga agcgccatat gggaagagaa 193320
ccaagttcag tgatagagag cagaggtgag gcggcagcag aaaccactta agggacacca 193380
cgtggcactc cttctgtgct gagaaggctg tcagtaagct caccatttat ttcctatttt 193440
ctctcctgag ttaaatagga aacatgtctc gcattacttg aaaaatcaag tcaaactatg 193500
ctcttactag gagttatggt tctttttatg tcttagatga tgcttgatct agatgaatgc 193560
ggacttgctg tagctagata aatacaatgg gagtttgaag gtgtttcgta gccctggaaa 193620
taggtatttc ctgtcaaaac aagctttgtc attgccagca gacaaaagca tcagtaacct 193680
tggttgataa tcgtcatttc ttaggaataa agtagactgt agaatttttt ttagcagaaa 193740
ggaaacccaa agataattct agtgcaaatc cctcacttta tagagcagaa gctcaagtcc 193800
cagaggaaca agtggcttga acgaacatca gaattttagg ggctggattt gtaccctcct 193860
ggtgccagca gcccacttcc ctgcaggagg cactcacctt ccttgcacag gggtatgagt 193920
gtggccattt tccacccata atctctgtta gctcatgttc aattgggttc ccattgaaag 193980
aaaaatggac cagtaagttg gagcagaatc attcagatgg tataacataa ggaaaaactt 194040
tgcccaaggc aaatcgtgat tgtgacagct ttgtgatttt tagagaatag catgggccag 194100
gcacagtggc tcatgcctgt aatcccagca ctttgggagg ccgaggcagg caggtcactt 194160
gaggttggga gttcgacaac agcctgacca acatggagaa accctgtctc tactaaaaat 194220
acaaaattag ctgggcgtgg tggtgcatgc ctgtaatgcc agctactcgg gaggctgagg 194280
caggagaatc acttaaacct gggaggcgga ggttgcggtg aaccaagata gcaccattgc 194340
actccagcct gggcaacaag agtgaaactc cgtctcaaaa agagttcaca gtttctcttt 194400
tgctttgatt ttcttatctg ccggataaca atagtatttt ggaaggcagg aggaattgtg 194460
gaaagaaatg ggttttgggg agtggctgat tggaggcaaa tccaaggaca ctcattgctg 194520
gtgtgtgact ccaggcagtt actcagcttt tccaagcctc agtttcctta ttgtaaaaca 194580
ggaccatggt ctagctagta gcattcctat ggtgagtgaa ataatatgta taaagctcct 194640
gacacagtgc ttggcatata tcagattgag ccatgtaaaa ctgccaatat ctggctattt 194700

atgacctaca aaaatagcat ttcatatgat tccacctaac atctgaagcg caataaatgt 194760
tattattgat aatgcaggtg gtggtgataa agttttgaaa tcagaaagac ctggcttcaa 194820
attccacgcc ttcactggcc tgacttattt tcattcattt gacaaatatt attttgaaca 194880
cccctatgtg ccaggcacta tgccaggctc agagatgatc taggaaaaag acagatgtcc 194940
tcatctgtct taggctcttg tggcctaagc ctaaatttcc tcgtctgtca aatggtgaca 195000
gtaacacact ccttaccaga gagctgggag gattggagac tcaagttccc aaaacgccag 195060
gagcactgcg gcaggtgaaa agtattccct caatggcgga agtgtttaaa ttgcttttat 195120
atctgtagct ctagataaca ctagttccag cttagttaac tcccagctcc aagccttcag 195180
gacttcatag agttattggg gtgctgctct tggcagtttc ccaaaaagct agaatgcaga 195240
gggaatctcc ttcccaaaaa gctagaatgc agagggaatc tccttcccaa aaggctagaa 195300
cgcagaggga atctccttcc caaaaggcta gaacgcagag ggaatctcct tcccaaaagg 195360
ctagaatgca gagggaatgt ccttctcttc taaatggtag ctgttagttc aagaaaggtt 195420
aaacattgtg ctgtggggag gctcaggggt gaagggtgta cttttaagag aaccagtttc 195480
agagctgggt ttggggttta agccctaccc tctgcccccc tttacgagct gacagcctta 195540
tgcaagcctg gttgaccacc tgaacccacg tttccacatc tggaaataga aatgtgggta 195600
ctagttatgt tgaaaggact caggttagat gatagatatg caaatacctt ggaaaccagg 195660
agtgtccagt cttttgggtt ccctgagcca cactggaaga agagttgtct tgggccacac 195720
atagaataca ctaaccctat caatagctga tgagctaaag aaaaaacgtt gcaaaaaaaa 195780
tctcatattt ttaagaaagt ttatgaattt gtgttgggct gtattcaaag ccatcctggg 195840
ccacgtgcga cccgcaggct ccgggttgga caagtttgtt gtaaacaatg ccatgatgcc 195900
ggcataaggt cgttaccagt attaggaagg ttctcaggtt tcctctagcc cttgggctct 195960
tttcctgaag tgcgtgtgtc ttctgctaga ttttgtgacc aatgttgatt gcctaattgg 196020
gctaacagca tgttttggtg gctacgaaac tgacacaggt gttttcattt ctccacttag 196080
ttcctgctgc gtttgctgga ctgatgtact tgtttgtgag gcaaaagtac tttgtcggtt 196140
acctaggaga gagaacgcag aggtaggtaa ctgggactac taaagaactg tggagcgatt 196200
cctgattttt gagcaggaag agtgacaatt caaaacagta tttgactaga ttcacggctc 196260
cgtagcatcc ccttgggtgg gaggggggaag gctgactagg acctctgatt cttctttccc 196320
tgagctttga aggctctgaa aatacagctg gggggacttg cccagttttc ttattaagca 196380
attcctccgc atggtgctgg ctttcaaagg gtgcttcagt gctgtttgct gcacgtgcct 196440
tgcagcccca caccctgcac tcccgccctg cagagtctgg cgctggaatg acattttagg 196500
tctgggttcc caggcctcct gagagtgaaa tgtttcattg tttgtctaga gaaatgagaa 196560
ctaaagcttg caccttgtga taagttgtcc tgaggaacat atctttcagg gaccagaaga 196620
aagaatgttg ggaaaataag atgcagtaag atgcagacat gacagcaggg tgcagcggct 196680
cacgcctata atcccagcac tttgggaggc tgaggtgggt ggatcacctg aggtcaggag 196740
tttgagacca gcctggccaa catggtgaaa ccccgtctct actaaaaaat atacaaaaca 196800
ttagccaggc atggtggtgg gcgcctgtaa tcccagctac tccataggct gaggctggag 196860
aatcgcttga acccaggagg cagaggttgc agtgagccga gattgcgcca ctgcactcca 196920
gcctgggcaa caaaagcaaa actccatctc aaaaaaaaaa aaaaaaaaaa aaaaaaagat 196980
gcagacacga gactgtgaaa ctgactagca tcaccattgc attgtttata gatgttgcca 197040
gacagaaagc cccaaagcag cacagtacct tcctgacatc tggactagga aatctagatt 197100
ttagtaaaat acatgctaat acttacagaa gaaatgtcgg cgttagagta tgccgtcagt 197160
tccttagaga ttgcaattcc taatgcacta gtatggtttc aggtgccagg aacacgttct 197220
gtgaggctgc tgccccaggt gctgacccca gccttccaca ccattttcct tccttgtgtt 197280
cacagccgct ctgtctttta caatagcacc cctctctagt ggctaatggg ctctatgatt 197340
agatagcatc cttcagtagt gataaaggca gtgacatcct agggaggtca gcgggtgaaa 197400
gcgctatatc tggaaaacct gagagcctgt gaagctcaag gacttgacgg ggttagaccg 197460
tgagccgggc tgcagctgga aaaagaatga ctgttctttc agcagatcct tccctgtgcc 197520
atctctttct tcattcctct ctagtggcat tcttatttat cctctaaaac cacaattcca 197580
ttatctctcc tattcttatc aacactgccc taaatgatat tctttattct cttttgccct 197640
ggaaaacctc tatcatgcct tttcccatgt gattacctcg ttaagagtgg gggtggaatg 197700
tctagcaatg aaataagagg gtcttctctt ttgcctggct ccctatgcag ccctatctta 197760
ccccctgcaa agtcccaggg atgtggctca gtcactgctc ctctcttcat ctgtcaccac 197820
ttgcttgaga tcctacagct gctttaattc cgagaccatc tgcagaacat gacaaaattt 197880
gtccacctac ccacatgtcc ttttaacttt aaaggcttta ctaactgatt cctattaggg 197940
aatgaacaga ggtggcaaaa ataaacaata ggagattgat ttacaagaaa tctttaaaat 198000
agtagatttc ttcggacctc attgaaatat aaatggcctg ccttcttgtg tccctccctg 198060
gtctccctct ttaggtgata agaagaagat cctgccagcc ccataacccg ccatctgcgc 198120
gggttctaga ccccccttctc ctcccctctg gccgtggtag gcattactga tgaatcatgg 198180
tgctctttct tccagagacc aaacctggcc tcggaatcct tcttaacaca gatactgctt 198240
aacacaacca ctctgagcag ctgtcataag tagaagtaat agatactaga agaaatgtct 198300
aagcctaatc tagaccaaaa tacggcctga tatagatgca agccagaggg gctttatggt 198360
taaatgcaag gagattttca accctgccgt ctagaagcta cttgctgaga tcttcttcag 198420
ttgggcccat ctcctcccca ggcctctctt ctgttcctgg gctatgtcac acttggactc 198480

tgcagacacc taatgctctt gggacctgct ttagttcttg acctcaccaa ccgaggagga 198540
attgctagat gagatccttc ccccggaatt tctctcttga accccagatg gtccgttgcc 198600
cctttccaga agttgctcca gccctgtccg cttaggaagt tcagtgtcat ccttgatcca 198660
gtgggtaggg aagacattcc ataatgaatg ccccagtctg agcttcttcc ttcaggcttc 198720
aggctgccct gcgaggattt tgcagctccc tttttaatgc cctctagaag tttctggctc 198780
ttatttttcag cccttcatcc tactctctct gacccccttcc tctatcctgt ttagttcacc 198840
tgtagcagtt actacccagc agtgaaggat gaatcttggt ttcgtttctt ttctcttctt 198900
ttctttttttc tcttctcttt tcccccttccc ttcccttccc tcccttcaca tcacctcatc 198960
tcacctcacc ttacatagtc ttgctctgtc acccaaactg gagtgcagtg gcctgatctt 199020
ggctcactgc aacctccacc tcttcccagg ttcaagtgat tcttatacct cagcctcttg 199080
agtagctgag actacaggtg tgcactacca cacccagcta atttttttgta tttttagtag 199140
agatagggtt tagctatgtt ggccaggctg gtctcgaact gctgaactca agcaatctgc 199200
catccccggc ctcccaaagt actgggagta taggcataag ccacccatga tgcccagcct 199260
gaatcttggt ttcttcccca ttcatttaag ctattacctg ggcctgaact caatggcacc 199320
tggcaccaac tggcaactga ctcttggtct tttattacct accttcccta gcaggcactg 199380
ggttgctccc tcttcctatc ccatggagtc ctgtcctctg ttggggctcc tactgatcct 199440
cttggcaata tgaagttctc agctcaatgg tgggtgggca atgactgcca actcttgagg 199500
ccaatgaact caggttaccc cactcctcct cctcctgagt tgctcactca ctcctcattc 199560
actcaacatt gattcagtag atatttgcta cctgctctgt gccaggtacc aggtcagttg 199620
ctgaaggagt aacagtgaac atgacggagt ctttgtcccc aaggagaccc aaggtgtctc 199680
ctagagccag gggcacattg caagaccaaa tatattcaac ttaccaaaat aatcatagac 199740
ctagttctca aaaagcaaga agactgattc ctcgttgtca tttctcctcc tcagcatcaa 199800
tgttttagag tctgtgggcc cctccaagtg tggagtatgg tgttacttca ccagagtttg 199860
aggagaaaca ttcttctttt ggaaggccgg ggagcataga tggatatcaa ggctgctgtt 199920
tctaaaagcg aaacccacca aacaacagta ttagaatcat ctgtggtgct tattaaagat 199980
acagattcct gggccccatc ccagacttat gaatcagaat ctctgccaga ggaagcctga 200040
gaatttgcat tctcagatga ttctgcattc tcagataaca cattctttag gtgattctta 200100
cacacactgg agtttgggaa tcgctgaagg ctgttcactt ctcttttctg agaaatgatt 200160
cattcatttc agaaatattt gcagaggtcc ttatttattg gagatttgtg ggtgggcaga 200220
ggagaaatat cttgtcctca cagagcttac aatttttatt ttctttagag gtcaccaggc 200280
ttaaaatgac acttccctaa attctgaaaa gaacagattt ttaaaacaag aagggactgt 200340
aatgttttct gttcctacct cgtattttgt tcacattaag aacctggggt gggaagtgga 200400
ggaggggggg tgactggcgg ggggccacag agagctgagc tggggtggtc tcgaactcct 200460
gaactcaagc aatctgccag cctcagtctc ccaaagtgct gggattatag gcatgagcca 200520
cccacgatgc ctgggtggaa ctcagggctc tggatgcctg ggcgccccca tctcccacac 200580
tacggcgcct catcctagaa gtggttagca cctttgagat gggaattatt tagcaggatg 200640
cttttgtgtt ttcatgtaag ttttatgctg cctgtggagg gcacagctgt ttcaaaacta 200700
ataaccaaat cctggtctcc gaagtctgaa ggcatccttt gccctgcagt gcaaagcacg 200760
ggattctggc ctcacacagg caggtctgaa ctcctgtgtt gcctcttgct ggctgtggga 200820
cctgaggcaa atcatgcaac ctctcttttc tgtttgccta gatggaaaat aggtttacaa 200880
tacgccccca taggatggct gtgagaatta aaggaagtca tgggtgtaca atacctggcc 200940
ccgaaagatg cttaataatt taattctgac cttcctcact catttaggat tatgtaccaa 201000
cttttagaaa caatgaaaga ttagtgagtc ttctgtggtt ggtataaaaa aaaaatagaa 201060
acatgaaaga gatgtcctcc ttgttcaagg gctaatgacc ctggtgtgcg ctgtctaggc 201120
ccccaaggtc ttccttccct gctcacagca tttcaggttc tccgcagctt tgctgagcct 201180
gggtcaggtt cggtatctgc ccaccatgct cacttgccac agctgtggcc ccatttccaa 201240
acttcagaga cttaaaggtg cagctaatga tgtgcccggc ctggggtcac attccctgag 201300
ccctgcagac aagggagcag gaggctgagc tcttatcttc cacaccctgt gcacagcctg 201360
ggaagagtta aagcacccta gtcctatgct gcgagggcca catgccctga gaccttggaa 201420
aaaatcctac ctgaattgaa gagcatcact atttcatcag gaggcgctgc catttcattt 201480
ttcacttcgg ttttatcttg agtgtaaaac agcttcgcaa atcacttttt cttgtttctg 201540
taatgagcat atggtggcct cattcgtgtg ataaatctga gccaccacga tatttgactt 201600
ttcacaattt aatttatctg aaccctctat tctctggcta aaaaatatcc cttacttgga 201660
cttctttatt ttattttcaa ttcccttacc agcactagca ggggactctg tactcatctg 201720
ctggcgctgc cataacaaag cactgcagcc tgggggggctc aaaccacaga atttattctc 201780
tcacagtcct agaggctaga agtccaagat caaagtgtgg gcagggtcgg tttctcctgc 201840
agcctctctc cttggcttat agagtgccac cttctacctg tgtcttcaca tcatcacctc 201900
actgagcatg tctgtgtcca aatctccccct tcttataaga ccccagtcat actggatgag 201960
gatccaccca tatgagttca ttttacctta attatctctt taaacaccct gtctccaaat 202020
acagtcccat tctgaggaac tgagagtaaa gattcaacat atgaattttg gaagggacct 202080
aattcagccc acaacaccct cttttgggat gtttattttc ccccttaagg agctagttag 202140
gatgtcttat ctcatgaaca tgactgtgaa caggaaaaca gggagagaat gaagctggcc 202200
aaggaacagg gctggtgtca gctagcagtg cttttctgat gtgagtgggt cccacaggga 202260

gcttgttaaa atgcagattc tgattcatta ggttccagag ggacctgaga tttcccattt 202320
ctgacaagtt tccagtgtgg gggctgatgc tgctggtcca cggaccatac tttgagtagc 202380
aaggagcttg atacataatg gctgagtgac tttcagactc ctgctgtaga aaaattatga 202440
gttggctggg cgtggtggct cacgcctgta atcccagcac tttgggaggc cgaggtgggc 202500
agatcacctg aggtcaggag ttcgagacca gcctggccaa catggtgaaa caccatctct 202560
accaaaaata caaaaattag ccaggtgtgg tggcaggtgc ctgtaatccc agctactcag 202620
gaggctgagg caggagaatc gcttgaaccc gggaggcaga ggttgcagtg atctgagatc 202680
gtgccactgc actccagctg ggcaatagag cttgactcag tctcaaaaaa aaaaaaagaa 202740
aagaaaaaga aaaattatga gttatattat cagcatatgg ggtgcctttc aaattgataa 202800
aatttctaat attaaacctg tggatgccaa atgctgctct ctgattatgg caggaaacgg 202860
cacttggcag tacgaagtta gctgttgggc tgagctggct catcttgttg tgcggtcctg 202920
attgcctaaa gatgccttcc caggatcttt actaacaatc ctcctgagtc atttggactt 202980
tcccaacctg ttatcacctc tcagatgggc cagccatgga ggcagtcaga ggaggggctct 203040
gcagagggag ggcagaaaca gggtggcctc tgcatgccat taggaggtca catctcactg 203100
ggggatgcag tttaggattt agtgccttgg agagaaggat agagtatatt aaaacatgtc 203160
tccgctaggc atggtggttt acgcctataa tcccagcact ttgggaggcc gaggtgagtg 203220
gattgcctga gctcaggagt tcaagaccag cctggctaac atgacgaaac ctcatctcta 203280
ctaaaataca aaaagttagc tgggagtggt ggcgtgcgcc tgtagttgca gctacttggg 203340
aggctgaggc atgagaatca cttaagccca gaagactgag gttgcagtga gccgagattg 203400
caccactgca ctccagcttg ggctacagag tgagactcta tctcaaaaac aaagaaacaa 203460
acaacaacaa taacaacaaa aaccaagtct ctccctccac tcaaaaatgc aagggcctgt 203520
ctcccattgc tgggtgccca ggtctcatga atgtagatat gaattattcc agtcagcctc 203580
aggagaatag aatgagccct cagatgccga agcacctttc agattccacc ggttttatcg 203640
gctcatttaa acttcacttc taacacagtc ctgcattaca cacgtgtctg tcgttatggg 203700
cagctgcaga gagggtctta atggtcctaa tgctcagtga ggatgcccaa tggtcaacag 203760
aacctgccat cttcaggcca tcaaggagct ctggagttaa ggaaatcatg agagcacaga 203820
ggggcgggta cagcagagcc ctcgtggtaa tgggttttga ggtctaggct ctcttcactt 203880
gggtttgaaa taagttcaat gactagtaat agctgagaca cttctaccct tcaaatgaag 203940
taaatgggaa aatggagcat tgttgagtcc agggagctat aatttaaacc ccatatatct 204000
aaaaggggta acatttttgt gtgtgtgaaa ttggtgtcat tcgcactgca tctacagttt 204060
tctttttcct tctcttccag cacccctggc tacatatttg ggaaacgcat catactcttc 204120
ctgttcctca tgtccgttgc tggcatattc aactattacc tcatcttctt tttcggaagt 204180
gactttgaaa actacataaa gacgatctcc accaccatct cccctctact tctcattccc 204240
taactctctg ctgaatatgg ggttggtgtt ctcatctaat caatacctac aagtcatcat 204300
aattcagctc ttgagagcat tctgctcttc tttagatggc tgtaaatcta ttggccatct 204360
gggcttcaca gcttgagtta accttgcttt tccgggaaca aaatgatgtc atgtcagctc 204420
cgccccttga acatgaccgt ggccccaaat ttgctattcc catgcatttt gtttgtttct 204480
tcacttatcc tgttctctga agatgttttg tgaccaggtt tgtgttttct taaaataaaa 204540
tgcagagaca tgttttaagc tgatagttga ggggttttgt taatggcttt tgggggattt 204600
atctctatac ccacaaacga ctagtttgtt ttcctcaaac taaatgataa tattaaaaat 204660
acacatcctg gccaggtgtg gtggctcata cctgtaatcc cagcactttg ggaggccgag 204720
gcaggtggat cacttgaggt caggaattaa gaccagcctg gccaatatgg tgaaagcctg 204780
tctgtactaa aaatacaaaa attagccagg tatgctggtg gatgcttata atcccagcta 204840
cttgggaggt tgaggcagga gaattgcttg aacccgggag gtagaggttg cagtgagcca 204900
agatcatgcc actgcactcc agcttgggca acagagtgag actccatctc aaattaaaaa 204960
aaatacacat ctggcttctg gaaaaattac ttgaagatct tttatgacat ccatccctct 205020
tcacacagcc atgtgaatta ggttggtatc ttcatatact agcatcgtgc ccagcacttc 205080
catgttatac agtttaaaat gttctgtaat tccctgtggg aacctaagat aatgcgagga 205140
ccgtcatacg tgcccccaaa tattggcaaa ccaatgaata aatgaatgaa tgagtttatg 205200
aatcgctaac tggctgtatt taatgaagta tgtgtgttga gccatttccc acagtgtgga 205260
cagatttgtc ccacaatatg ggcctcttcc caaaggccct accacctaat gccatcacac 205320
tggggatttg atttcaacat gtgaatttgg ggagagtgca aacactcaga ccatagcacc 205380
atctcagtaa atgtcccact ggtcactcag ttcatagtga cagtgatcca gccactgtca 205440
tgacaggtgc cacttggcag aaacagcaca gcttggaaga tggcggggtg tagtcaagat 205500
tccaggatcc ccaacagaga agccagctct tatagggggag ccattcatca ggattgaact 205560
ctcaatcgag ctggacagta ataggtgggt ctgtgttatt ccccagatga gtatcatgac 205620
agtcacaatc ctaggaagga tgtgaagcct cccccagctc tcctccagtt gcctgcttgg 205680
gcagcagaga tgatggaatg tggagtctgg cgtggtctga ggcctgaatc catgtgcctc 205740
atgtatgatg ctcaggcaag aggatctctc aattcaaggg agagggcctg aatgagcctt 205800
gctttccagg cctgtctgat ggtccaggct gaagcccctc ctggcttgca ctgccagacc 205860
tcatccagca ggagctcctt ggcattgact gcttcaggat agttgcttct gctctgagtg 205920
ctctctaaag agcagtgctc taccatccaa gctgggcttt tcttttcttc ttgctgatag 205980
ggaaggcatg ggacattgca ggatggaagt ggcccccagg ccttctcatg cctgggcttg 206040

gtttggaagg tggtcaggtg atcaataatc ctgattggcc tggcattgag gagttttcct 206100
gggatgtggt cctttcggtt ttttaaaaat tatttttatt gatacacata tttgtaggta 206160
tttgtggggt gcatgtgata ctttattatg tgtgtggatt gtgtaatgat gaagtcaggg 206220
catttagggt cttcatcacc ttgattatca tttctatgtg ttgagaacat ttcaagttct 206280
cagttccagc tattttgaaa tagacagtcc attttgttag ctacagtcac ccaacccggc 206340
tgtcagacat tggaacttac tcctattgaa ctgtgtattt gtacccattc accaaactct 206400
ctttgggctt tcagttttac aactgggatg atcctgggaa aactaaagta aatcagacac 206460
ccgacgtgtg agctaggtta taatatgccc agtggaccct ggggacatct tagctttcag 206520
aggtcatgct gtccaagctg actgtggggc ttccagaagg tggggagagg aaatgatgca 206580
atggcccatc agaggcacta cttggggcct ggggccagag tgcatgtcta aggcattaag 206640
gggaggggag agcagccttc ataattatga agaggagtct caggtgcaca gcttctgatg 206700
agggacagct tctaattgaa gacagcattg tgtaatgctc aaactccctg tcttcagagt 206760
gcctgctgta tcccaccatc agttctgtga cttctcccta agcctcaatt ttgcatgtgt 206820
tacattggga taataatagt gccaaactca tggggttgtg aggaataatg aggtaaagca 206880
attgaaaagg tttagcacaa tataagtgct caataaaagc cattattatt attttattac 206940
actagttttc aattcctgca tagcaaattc ttgcaaatgt agggactcaa aacaatataa 207000
atttattatc tgacagtttt tctgggtcag aggtcttact aggctgtaat cagagggcaa 207060
ccaaagctgt gatctcagct gaagctcagg attctcttcc aagctcactg gttgttggca 207120
gaattcagtt ctttccagtt ggaagactaa agcctacagt cttcagtctc tagaagcctt 207180
ttctctggca caggtttctc tacaacatgg ccatttatgt ctttaaggcc aataggagaa 207240
catgattagc atatttttt taagtgaact ttagaccctt ttttaaaggc ctatctgatt 207300
aggccaggcc caagtgagct ttaagtcaac tgattagaga tcttaattac atctgcaaag 207360
tcccttcatg tttaccgtat aacataactt agtgaaagga gtgaaattgc aaccaggttc 207420
tgcctgcact ccacggaagg ggattctgca gaagtgtggg tcacgggggg gttattttgg 207480
gattctgcct acgtcactga gtcaaaagaa gctgaatggt tgtgatgctg aggtttttgg 207540
gcagcagcag tgtgtgtgtg tgagtgaatt catacgtatg accacctggg aagaaaggag 207600
gctgtggttt cctccacctc ctggcagaca gagaaatttc tttttttttt tgagacaggg 207660
tctggctctg ttacccaggc tggagtgcag tggcttgatc tctgctcact ggctcactgc 207720
agcctctgcc tcccaggttc aagtaattct tgtgcctcaa ctccaagtag ctgggattac 207780
agacacacac tgccacgcct ggctaatttt tgtattttta gtagagacga ggttttgcca 207840
tgttggccag gctggtcttg aactcctgac ctcaagtgat ccgcccacct cagcctccca 207900
aagtgctggg attacagacg tgagccacca ttaaccattt ttctatctcc tgtgggaaag 207960
ggcacagtga aagaacagat gaagctgaga catacaagtg aactcctccc tcctctccat 208020
ttagactaaa ataggattat tcatactgag attctccctg gttgcaaaga gataatctgt 208080
gcaactgggt ttttacaatt atcccctaccc tatgctttcc tcatctgtct tcctcgtagt 208140
cagctcaggc tgctataaca aaacaccata actgggggct tttgaacaac aaaactttac 208200
ttctcacagt tctagaggct ggaaatccaa gatcaagttt ctggcagatt cggtgtctaa 208260
tgaggtcctg ctttccagtt tatagacagt gccttatcgc taccgcctta cacagtggaa 208320
ggagaggacg agaagctcct tgggcttttt tttgtttctt tctttctctc tctctctctt 208380
ttttttttt ttaataaggt cactatctta gtccattttg tgttgctaaa aggaacatct 208440
gaggttgagt aatttatttt attttaaaaa gtggccaggc atggaggctt atcctgtaac 208500
cctaatcctt taggaggcca aaacagcagg attgtttgag gccaggagtt caagaccagc 208560
ctaggcaaga tagtgagacc ccatctaccc catctctact aaaatttaa aaaattagct 208620
gtgtgttgta aagtgtgctt gtagtcccgg ccacttgaga ggctgaggtg ggtggagttc 208680
aaggctgcag tgagttatga ttgagccact gcactccaac ccgggtaacg gggcaagacc 208740
ttgtctctat ttaaaaaaaa aaaatcttta tgtggctcac tattctgggt ggctggaaag 208800
ttcaagattg ggcatctgca tctggtgaca gcctcatgtc gcttccagtc atgggggaag 208860
acgaaggaga gctggcacgt gcagatatca cgtgttgagg gcagaagcga gagagagagg 208920
ggagagatgc caggctcttt ttaacaacca gcactgggga aactaataga gtgagagctc 208980
actgactcct gagggaggac attaatctat tgatgagcga cctgcctcca tgacccaaac 209040
acctccaacg ataccccacc tccaacactg ccacactagg gattaacttt caacttgaga 209100
tttagagggg ggaaacttac aaactatcgc aggcactaat accactcatg agggctccac 209160
cttcatgacc taatcacttc ctaaaggcct tacctcttaa tctcatcaca ttgaggattc 209220
gatttcaact tgaattttgg ggggacacca acattcaggc catagcatca tctcaataac 209280
tgtcccattg gtggtcactc aggccccaaa caaaggaacc ttcctccatt cctttccgcc 209340
ctcccaccca cagtcaatca tccccaagct ccatcagctc caccttaac ggccaaccca 209400
cctctgccac atctcaccat ctccactgct atccctgtca cctgggccca ccattctctc 209460
tcctggacag tctccatagc cacctctgtc agatttattt tatttttta ttttttttt 209520
tgagacaggt tcctgctctg ttgcccagac tggagtgcca tggcatgatc acatctcact 209580
gcggcctcca tcacctgggc tcaagcaatc ctcccatctc agcctcccaa gtagctggga 209640
ctactggcac caccatacct ggctaatttt ttgttgttgt tgtttaattt ttaatacaga 209700
tgaagcctca ctatgttgcc caggctgctc ttgaactcct gggctcaagt gatcctccgg 209760
ccttggcctc ccaaagtgct gggattacag gcatgagcca ccgtgcccag cccatcagat 209820

gttaatgcta cacgcacttg cttaaaatcc cccagataat tctcgctgct cttggaataa 209880
ttcccacaca ccttggcgtg gccatgcagg ctctgtgcca tcggatatgt ccctgccccc 209940
tctcccaact cctcctttcg cttgctcgtt cactcagttc cagccacatt gccctgggag 210000
ctgctcccac catggggctt cctaatgcac tggtctctct catgcagtgg ggcctctccc 210060
tccttttact cagtgtctcc cagcacccac ctcctccaga gccttccctg accaccacac 210120
ctacacctag gcccttcctc ctccacgctc cctcctccac cccggcctcc tacccacgtg 210180
tcacttcttt atactcgctg ccacctgaaa ttagatcatt tatttacccc tttatttgtt 210240
cagtttgcct tgtccgttag aatataagct tccaaagggc aggagctttg cctatattgt 210300
taggccgggc atacaatgag cactcaaaaa aatatttgat gagtgtatga aagaacagac 210360
tgggttatgt aattgtgcct acttacctat atgaccgtgt ggtggggttt atggtgggtg 210420
tggtggtgat ggctataggg ctataagcaa atttgggaca gggagtctaa gaaatgttct 210480
taaattttag taagcaaagc atcctctaca gaacctgtct taaaacatga aagttcctta 210540
gtgctacccc cagaggtatg atttggtagg tcaaggatag ggcctggaaa ttcacattct 210600
tgttaagatg ttcttcatcc ggggtttgtt gaccaccttt tcagaagatt tttgctctgt 210660
agctgtacta cccaatgcag tagttcgtag tcagtgtggc tcctgagccc ttgaagtgta 210720
gctcctctga actgagacgt gctgtaaatg taaattgcac accggagttt gaagagttaa 210780
tacaaagaaa aaggaatgca aaacatctca ttaataatgc tttacactga ttacatattg 210840
aaatggtaat cttgtagata tagtgcgtta aataaaatat actgttaggc ttaatttcac 210900
gtctttatac ttttaatgtg gctactagaa aaatttaaat aacatattca gctcacatta 210960
tactcctatt gaacagagct gatctataag ttccatggaa gatggcaagt cttcgcagct 211020
gaaataaagg ctggatccca ttctacgggc tcatctttag caatgatttc ttgcagacga 211080
tattgaaaaa tgtggcaatg aaagttacca caagcatcaa accagtcctg cctaaatctg 211140
gaaaatagtt atctgaggct gttagcatat gatcatgaga gcgtttcacc atggatttct 211200
gatcacagat gtggcacatt attaaaatat cacttttaca gtcaccctag aggctagggt 211260
tatctgaata tggagaaaga aacagcttgt ggagctgttg tataaatgaa attactagaa 211320
agtaatgcac tcaattgcat attggctcgg ggggttattc ttattaaaat gtttagagag 211380
gactttctgt tcatttctgc agaattgctc ttcaaattaa gaatttgctt gacacgctaa 211440
tagaccacag tcccaagaga agtttatcct tttttcttct tatccttgct aagcacttag 211500
atgctctgct gataggtagc atatattgtc tatatgaagc ttttgtgtta acattgacta 211560
gtcctgcaag ttggcacact cttacttggc ctaaaagaaa tcagcaccag gctttaagaa 211620
aatcagatga tctacctaaa ggaacacaac tctgtctctc ttttgacaat tgttgtaaac 211680
aaatttaat ggaaatttgc cttaattgtg aagaagttgc tgctaaaatg gacttgccat 211740
taatggactg gaacccattg cataagcaga atgaaatata agccttctca ggattcacac 211800
ttataaaaaa ccattcagcc aatcaacaag agggcaaaag aacaaacatt tgatgtgtaa 211860
ttacttaatt tagtgcatat gcatttgggt cctcaatgtc agcactatgg caaccagaac 211920
atggccacaa taactgtctg gaaatgtcta ttcttacctg gacccagcag gccatgcccc 211980
actgattata taatctccct ctctccttgt tacggtctga atgcttgcat ccctcaaaaa 212040
ttcatgtgtt gaaatcctaa cccccaaggt gatgatatta ggaggtcggc cttttgagag 212100
gtaattaggt catgaagaca gcatcctcat gaatgggatt agtgtcctta taaaataggc 212160
ccaagggagc tcattcactt tgtccaccat gtgagaacac agcgagaggg caccatttat 212220
gcaccaggaa atgggccttt tccagacaat ctgtcggtgc ctggatcttg gacttcacag 212280
cctctagaac tgtgagaaat taatttgttt tttataagcc accaaatcta tggtttttt 212340
tatagaaacc gtaatggact aaaacactcc ctaattatat ttaaacttat cagtgcactg 212400
ggcagtgaca tattaaaaga atgctggcca acgtaattga caccataagg ctggatgatt 212460
cttgtaattt tcagcctcag aaaaaggctg gggagaggag tcaggggaaa ggaggtggtg 212520
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtggtac ggtggatgcc tgctgagaga 212580
gaaagagcta taataacatt ctgtggttca gctgacacat cctttctgca tcccctccaa 212640
tcacctgggt taatggggac ctcgctaatg tctgaacctc atctcatttt aacctttgt 212700
ttcaaagcct ctcttttcat gacttccccg ccttcatttt tcccatatgg tggggttatt 212760
attaagacat taaatgagag tggacaggta ggcaaaggag gtgggttgca ggggagttga 212820
gggttgcctg tgtacttttc tagactgttc cacttcacat cagtgaaata ttcccaattg 212880
atactatcat gaaacaaagc aaatgaaatg ctgagcacgg agcttcgtct tgatgaaatg 212940
ctgaaagaaa agaaaggaaa aataaagtag ccattatttt tgcccttcct cccacccca 213000
tgtttactac tcttatttct cttttgtatt gttgtgttgg aagcacagca tcagaaaaac 213060
tcccagtttt gagagataac tcagtgttta gttcacttaa acctgagaaa ggagaagagg 213120
atgccaccgt gaggtccagg acgtaaagag gaaaaaaaca gacaaaaaaa tccatatgaa 213180
atgaaaatgt gaaagaggcg ctttcgagca gatgagtgtt gtagattaca gtgttgagag 213240
ctgtttgtgt ccagagctgc ttgctgcacc tggcgggata aacactggtc taacagagga 213300
tccttgtttc aaggaggctg ccttttattt ggggggacaa aattgttctt gaaagctgct 213360
cagtggttca agctacagca tggtggacta gcagaatgga ctccagggcc tccgaggaga 213420
cagtgactgc tgccagaaat agtcaaggat agaaaggaag gacttcactg aggcctggga 213480
gaagattatg gaatgggact gacagcagtg acggggagta aaaggggtg tctgggggaa 213540
ttgtgcccca tggtgagagc tagagggttc acaaagactt aacccgacgc atctctctca 213600

ccctggagat tgggcccgtt caatctaact ggatggctat aatttaaaag gtttaggtat 213660
tatgacaaac atggatatat taggtgatag caatgcaaaa tgcatatggc ttcttgatat 213720
aaaacacaag acttgaaagc agcatctttg gctgggtact acagccaccc tcctctgtca 213780
ctaagggagg ctttggtgga aagggctgag agcctctaga ctgtgaacaa aagtaggcac 213840
agaagaacag ttggagataa taagtaaacc atcttgacag gaatgaagaa tttcctgaaa 213900
ggaaggtccc tgagttaggt tgttggatgc tttcagtagt gagttattga aagtgtttgg 213960
ggggtgtgtg tgtgtgtgtg tatgtgcagt atgtgtgtgt 214000

<210> 2
<211> 161
<212> PRT
<213> homo sapiens

<400> 2
Met Asp Gln Glu Thr Val Gly Asn Val Val Leu Leu Ala Ile Val Thr
 1   5   10   15

Leu Ile Ser Val Val Gln Asn Gly Phe Phe Ala His Lys Val Glu His
            20   25   30

Glu Ser Arg Thr Gln Asn Gly Arg Ser Phe Gln Arg Thr Gly Thr Leu
        35   40   45

Ala Phe Glu Arg Val Tyr Thr Ala Asn Gln Asn Cys Val Asp Ala Tyr
    50   55   60

Pro Thr Phe Leu Ala Val Leu Trp Ser Ala Gly Leu Leu Cys Ser Gln
65   70   75   80

Val Pro Ala Ala Phe Ala Gly Leu Met Tyr Leu Phe Val Arg Gln Lys
                85   90   95

Tyr Phe Val Gly Tyr Leu Gly Glu Arg Thr Gln Ser Thr Pro Gly Tyr
            100   105   110

Ile Phe Gly Lys Arg Ile Ile Leu Phe Leu Phe Leu Met Ser Val Ala
        115   120   125

Gly Ile Phe Asn Tyr Tyr Leu Ile Phe Phe Phe Gly Ser Asp Phe Glu
    130   135   140

Asn Tyr Ile Lys Thr Ile Ser Thr Thr Ile Ser Pro Leu Leu Leu Ile
145   150   155   160

Pro

<210> 3
<211> 873
<212> DNA
<213> Homo sapiens

<400> 3
acttcccctt cctgtacagg gcaggttgtg cagctggagg cagagcagtc ctctctgggg 60
agcctgaagc aaacatggat caagaaactg taggcaatgt tgtcctgttg gccatcgtca 120
ccctcatcag cgtggtccag aatggattct ttgcccataa agtggagcac gaaagcagga 180
cccagaatgg gaggagcttc cagaggaccg gaacacttgc ctttgagcgg gtctacactg 240
ccaaccagaa ctgtgtagat gcgtacccca ctttcctcgc tgtgctctgg tctgcgggac 300
tactttgcag ccaagttcct gctgcgtttg ctggactgat gtacttgttt gtgaggcaaa 360
agtactttgt cggttaccta ggagagagaa cgcagagcac ccctggctac atatttggga 420

aacgcatcat actcttcctg ttcctcatgt ccgttgctgg catattcaac tattacctca 480
tcttcttttt cggaagtgac tttgaaaact acataaagac gatctccacc accatctccc 540
ctctacttct cattccctaa ctctctgctg aatatggggt tggtgttctc atctaatcaa 600
tacctacaag tcatcataat tcagctcttg agagcattct gctcttcttt agatggctgt 660
aaatctattg gccatctggg cttcacagct tgagttaacc ttgcttttcc gggaacaaaa 720
tgatgtcatg tcagctccgc cccttgaaca tgaccgtggc cccaaatttg ctattcccat 780
gcattttgtt tgtttcttca cttatcctgt tctctgaaga tgttttgtga ccaggtttgt 840
gttttcttaa aataaaatgc agagacatgt ttt 873

<210> 4
<211> 20
<212> DNA
<213> Homo sapiens

<400> 4
acggtgatga cgcctacatt 20

<210> 5
<211> 23
<212> DNA
<213> Homo sapiens

<400> 5
tcacatggac caattaccta gaa 23

<210> 6
<211> 21
<212> DNA
<213> Homo sapiens

<400> 6
caaatttcag atgtgccaac c 21

<210> 7
<211> 20
<212> DNA
<213> Homo sapiens

<400> 7
acggtgatga cgcctacatt 20

<210> 8
<211> 18
<212> DNA
<213> Homo sapiens

<400> 8
accagccttt gcttagga 18

<210> 9
<211> 24
<212> DNA
<213> Homo sapiens

<400> 9
acattctagt gctacagggt actc 24

<210> 10
<211> 21
<212> DNA
<213> Homo sapiens

<400> 10

tgttctgcac acgaacattc t 21

<210> 11
<211> 20
<212> DNA
<213> Homo sapiens

<400> 11
tcctgagtcc tctccacctg 20

<210> 12
<211> 24
<212> DNA
<213> Homo sapiens

<400> 12
tgggaattaa tgaagaacaa caaa 24

<210> 13
<211> 23
<212> DNA
<213> Homo sapiens

<400> 13
catgtttcga agaactcaag agg 23

<210> 14
<211> 25
<212> DNA
<213> Homo sapiens

<400> 14
aaattacttc atcttgacga taaca 25

<210> 15
<211> 20
<212> DNA
<213> Homo sapiens

<400> 15
ctattgggga ctgcagagag 20

<210> 16
<211> 20
<212> DNA
<213> Homo sapiens

<400> 16
gggactgcag agagcagaag 20

<210> 17
<211> 21
<212> DNA
<213> Homo sapiens

<400> 17
caagaaggga aattcctacg c 21

<210> 18
<211> 20
<212> DNA
<213> Homo sapiens

<400> 18
agccagtgtc cacaaggaag 20

<210> 19
<211> 21
<212> DNA
<213> Homo sapiens

<400> 19
gagggtgaga cacatctctg g 21

<210> 20
<211> 20
<212> DNA
<213> Homo sapiens

<400> 20
aatcgtgcct cagttccatc 20

<210> 21
<211> 20
<212> DNA
<213> Homo sapiens

<400> 21
ccaccaggaa caacacacac 20

<210> 22
<211> 18
<212> DNA
<213> Homo sapiens

<400> 22
ttgctctcca gcctgggc 18

<210> 23
<211> 18
<212> DNA
<213> Homo sapiens

<400> 23
ttcctctggc tgcctgcg 18

<210> 24
<211> 20
<212> DNA
<213> Homo sapiens

<400> 24
tttgattccg tggtccatta 20

<210> 25
<211> 21
<212> DNA
<213> Homo sapiens

<400> 25
ttatttggtc ggtgcacctt t 21

<210> 26
<211> 22
<212> DNA
<213> Homo sapiens

<400> 26
ggtaggttga aatgggctaa ca 22

<210> 27
<211> 21
<212> DNA
<213> Homo sapiens

<400> 27
tcatgacaag gtgttggatt t 21

<210> 28
<211> 20
<212> DNA
<213> Homo sapiens

<400> 28
cctcctctgc catgaagcta 20

<210> 29
<211> 20
<212> DNA
<213> Homo sapiens

<400> 29
ctatttggtc tgcgggttgt 20

<210> 30
<211> 21
<212> DNA
<213> Homo sapiens

<400> 30
tttgagccca gatctaagca a 21

<210> 31
<211> 22
<212> DNA
<213> Homo sapiens

<400> 31
aaatgttaat gtcaccgaca aa 22

<210> 32
<211> 20
<212> DNA
<213> Homo sapiens

<400> 32
tactgggtta tcgcctgacc 20

<210> 33
<211> 20
<212> DNA
<213> Homo sapiens

<400> 33
ccaatggacc tcttggacat 20

<210> 34
<211> 25
<212> DNA
<213> Homo sapiens

<400> 34
tttgaatgtt catatatttg tggtg 25

<210> 35
<211> 23
<212> DNA
<213> Homo sapiens

<400> 35
ccctcgtaat gaaacctatt tga 23

<210> 36
<211> 20
<212> DNA
<213> Homo sapiens

<400> 36
tttcggcaca gtcctcaata 20

<210> 37
<211> 16
<212> DNA
<213> Homo sapiens

<400> 37
cagggtgtgg tgacat 16

<210> 38
<211> 26
<212> DNA
<213> Homo sapiens

<400> 38
tgtttctttc tttctctctc tctttc 26

<210> 39
<211> 24
<212> DNA
<213> Homo sapiens

<400> 39
aaatgagttc aatgagttgt ggtt 24

<210> 40
<211> 20
<212> DNA
<213> Homo sapiens

<400> 40
cagagaggaa caggcagagg 20

<210> 41
<211> 20
<212> DNA
<213> Homo sapiens

<400> 41
agtggctggg aagccttatt 20

<210> 42
<211> 23
<212> DNA
<213> Homo sapiens

<400> 42
aggtgagaga acaaacctgt ctt 23

<210> 43
<211> 20
<212> DNA
<213> Homo sapiens

<400> 43
gccttccttc taaggccaac 20

<210> 44
<211> 25
<212> DNA
<213> Homo sapiens

<400> 44
tgttatacat ttcaatttca cctca 25

<210> 45
<211> 18
<212> DNA
<213> Homo sapiens

<400> 45
gtactccagc cgggcaac 18

<210> 46
<211> 27
<212> DNA
<213> Homo sapiens

<400> 46
ttgttcagtg ctctatagtt acaaagt 27

<210> 47
<211> 21
<212> DNA
<213> Homo sapiens

<400> 47
ggtcacaaag ctatgcgatt a 21

<210> 48
<211> 25
<212> DNA
<213> Homo sapiens

<400> 48
tcaacaagtg gattaagaaa ctgtg 25

<210> 49
<211> 23
<212> DNA
<213> Homo sapiens

<400> 49
ctgtttatgg ctgagaagta tgc 23

<210> 50
<211> 17
<212> DNA
<213> Homo sapiens

<400> 50
tagcagggtg cagtcta 17

<210> 51
<211> 20
<212> DNA
<213> Homo sapiens

<400> 51
accataccac caccaccatc 20

<210> 52
<211> 19
<212> DNA
<213> Homo sapiens

<400> 52
actgtacttc tgcctgggc 19

<210> 53
<211> 21
<212> DNA
<213> Homo sapiens

<400> 53
ttttgtaatg cctcaaccat g 21

<210> 54
<211> 26
<212> DNA
<213> Homo sapiens

<400> 54
ctgtagactt tatccctgac ttactg 26

<210> 55
<211> 24
<212> DNA
<213> Homo sapiens

<400> 55
caatgaatga tgaagattcc actc 24

<210> 56
<211> 23
<212> DNA
<213> Homo sapiens

<400> 56
tgacaccatg tcttactgtt tgc 23

<210> 57
<211> 25
<212> DNA
<213> Homo sapiens

<400> 57
gaggatacaa tgagaaccaa atctc 25

<210> 58
<211> 20
<212> DNA
<213> Homo sapiens

<400> 58
ccacagaatg ctccaaaggt 20

<210> 59
<211> 22
<212> DNA
<213> Homo sapiens

<400> 59
gagttcaagt gatggatgac ga 22

<210> 60
<211> 24
<212> DNA
<213> Homo sapiens

<400> 60
cagatagatg aataggtgga tgga 24

<210> 61
<211> 20
<212> DNA
<213> Homo sapiens

<400> 61
cactgttcca agtgctttgc 20

<210> 62
<211> 19
<212> DNA
<213> Homo sapiens

<400> 62
gcagggcaaa ctgccttat 19

<210> 63
<211> 23
<212> DNA
<213> Homo sapiens

<400> 63
tttggtgaaa tgtctgttta tgg 23

<210> 64
<211> 18
<212> DNA
<213> Homo sapiens

<400> 64
ctcaacctgg cttctact 18

<210> 65
<211> 20
<212> DNA
<213> Homo sapiens

<400> 65
tactccttaa taaactcccc 20

<210> 66
<211> 17
<212> DNA
<213> Homo sapiens

<400> 66
tatgcgttgt gtgtgtg 17

<210> 67
<211> 22
<212> DNA
<213> Homo sapiens

<400> 67
gggccttaga ttcttgtagt gg 22

<210> 68
<211> 20
<212> DNA
<213> Homo sapiens

<400> 68
ctcgcatctc gcttctcact 20

<210> 69
<211> 20
<212> DNA
<213> Homo sapiens

<400> 69
ctcaagggtc cagtggtttg 20

<210> 70
<211> 20
<212> DNA
<213> Homo sapiens

<400> 70
tgtccagact gcctcctaca 20

<210> 71
<211> 20
<212> DNA
<213> Homo sapiens

<400> 71
tgcaacacct ggttcacaat 20

<210> 72
<211> 24
<212> DNA
<213> Homo sapiens

<400> 72
cacagtgaga ctctatctca aaaa 24

<210> 73
<211> 21
<212> DNA
<213> Homo sapiens

<400> 73
tcagactggc ttagactgtg g 21

<210> 74
<211> 19
<212> DNA
<213> Homo sapiens

<400> 74
aaattccaaa ggccaggtg 19

<210> 75
<211> 23
<212> DNA
<213> Homo sapiens

<400> 75
ccatacagtt tcctaggttc tgg 23

<210> 76
<211> 20
<212> DNA
<213> Homo sapiens

<400> 76
cacctggcca aatgtttgtt 20

<210> 77
<211> 20
<212> DNA
<213> Homo sapiens

<400> 77
tgcttgaatc cagagactgc 20

<210> 78
<211> 20
<212> DNA
<213> Homo sapiens

<400> 78
tttgcgagtc cttgtggagt 20

<210> 79
<211> 20
<212> DNA
<213> Homo sapiens

<400> 79
acagtccgct ccctcctaat 20

<210> 80
<211> 18
<212> DNA
<213> Homo sapiens

<400> 80
atgcttggcc ctcagttt 18

<210> 81
<211> 21
<212> DNA
<213> Homo sapiens

<400> 81
ttggcaaccc aagctaatat g 21

<210> 82
<211> 19
<212> DNA
<213> Homo sapiens

<400> 82
ctccacagtg acagtgagg 19

<210> 83
<211> 17
<212> DNA
<213> Homo sapiens

<400> 83
gagaggttcc caatccc 17

<210> 84
<211> 18
<212> DNA
<213> Homo sapiens

<400> 84
catcaacctc cccaccac 18

<210> 85
<211> 24
<212> DNA
<213> Homo sapiens

<400> 85
tatttttca gtcccacagt tagc 24

<210> 86
<211> 20
<212> DNA
<213> Homo sapiens

<400> 86
cagctcctgg ccatatttct 20

<210> 87
<211> 20
<212> DNA
<213> Homo sapiens

<400> 87
gagccatttc tctgggtctg 20

<210> 88
<211> 20
<212> DNA
<213> Homo sapiens

<400> 88
ggtccgtgtc aacccttaga 20

<210> 89
<211> 19
<212> DNA
<213> Homo sapiens

<400> 89
caggttgatg ggagggaaa 19

<210> 90
<211> 20
<212> DNA
<213> Homo sapiens

<400> 90
cgggaaatga cagtgagacc 20

<210> 91
<211> 20
<212> DNA
<213> Homo sapiens

<400> 91
tgcctagatt ctcccgtaag 20

<210> 92
<211> 16
<212> DNA
<213> Homo sapiens

<400> 92
gtgcccagcc agattc 16

<210> 93
<211> 16
<212> DNA
<213> Homo sapiens

<400> 93
gcccccagtc aggttt 16

<210> 94
<211> 21
<212> DNA
<213> Homo sapiens

<400> 94
tttctctctc cacggaatga a 21

<210> 95
<211> 21
<212> DNA
<213> Homo sapiens

<400> 95
aacccattct cacagggtgt a 21

<210> 96
<211> 20
<212> DNA
<213> Homo sapiens

<400> 96
aggagtgtgg cagctttgag 20

<210> 97
<211> 20
<212> DNA
<213> Homo sapiens

<400> 97
tggattcccg tgagtaccag 20

<210> 98
<211> 17
<212> DNA
<213> Homo sapiens

<400> 98
atgctgggat cacaggc 17

<210> 99
<211> 19
<212> DNA
<213> Homo sapiens

<400> 99
aacctggtgg acttttgct 19

<210> 100
<211> 20
<212> DNA
<213> Homo sapiens

<400> 100
agcatttcca atggtgcttt 20

<210> 101
<211> 21
<212> DNA
<213> Homo sapiens

<400> 101
catgttgata tgcctgaagg a 21

<210> 102
<211> 20
<212> DNA
<213> Homo sapiens

<400> 102
cactgtctgc tgccactcat 20

<210> 103
<211> 27
<212> DNA
<213> Homo sapiens

<400> 103
agagattatg tgatgtaccc tctctat 27

<210> 104
<211> 20
<212> DNA
<213> Homo sapiens

<400> 104
caagcctggg acacagaaat 20

<210> 105
<211> 20
<212> DNA
<213> Homo sapiens

<400> 105
tttgcagaca ccacaacaca 20

<210> 106
<211> 22
<212> DNA
<213> Homo sapiens

<400> 106
atgacctaga aatgatactg gc 22

<210> 107
<211> 20
<212> DNA
<213> Homo sapiens

<400> 107
cagacaccac aacacacatt 20

<210> 108
<211> 20
<212> DNA
<213> Homo sapiens

<400> 108
tggtttaaaa acctcatgcc 20

<210> 109
<211> 25
<212> DNA
<213> Homo sapiens

<400> 109
atcccaaact ctgtacttat gtagg 25

<210> 110
<211> 23
<212> DNA
<213> Homo sapiens

<400> 110
tttgcacata cacataagcg aac 23

<210> 111
<211> 20
<212> DNA
<213> Homo sapiens

<400> 111
cacaaatccc gtgcactaaa 20

<210> 112
<211> 20
<212> DNA
<213> Homo sapiens

<400> 112
attcctgggc tcatggtaca 20

<210> 113
<211> 20
<212> DNA
<213> Homo sapiens

<400> 113
tgccgtcatc tgctttagaa 20

<210> 114
<211> 20
<212> DNA
<213> Homo sapiens

<400> 114
ccttggctgt tgtgactggt 20

<210> 115
<211> 20
<212> DNA
<213> Homo sapiens

<400> 115
cactcaggtg ggaggatcac 20

<210> 116
<211> 21
<212> DNA
<213> Homo sapiens

<400> 116
gctgtttcct tggcttcttc t 21

<210> 117
<211> 22
<212> DNA
<213> Homo sapiens

<400> 117
cccatacttg agatgaccat ga 22

<210> 118
<211> 20
<212> DNA
<213> Homo sapiens

<400> 118
cactttgcca gtagccttga 20

<210> 119
<211> 21
<212> DNA
<213> Homo sapiens

<400> 119
ttgggaaagt taacccagag a 21

<210> 120
<211> 20
<212> DNA
<213> Homo sapiens

<400> 120
tttgggaaga gccatgagac 20

<210> 121
<211> 20
<212> DNA
<213> Homo sapiens

<400> 121
ctctgggcat tggaggatta 20

<210> 122
<211> 20
<212> DNA
<213> Homo sapiens

<400> 122
tttgggaaga gccatgagac 20

<210> 123
<211> 20
<212> DNA
<213> Homo sapiens

<400> 123
aatgcccatg tgcactgtag 20

<210> 124
<211> 20
<212> DNA
<213> Homo sapiens

<400> 124
gggagacaag tcaggtgagg 20

<210> 125
<211> 26
<212> DNA
<213> Homo sapiens

<400> 125
ctgagtatgg agtcttcatc attatc 26

<210> 126
<211> 23
<212> DNA
<213> Homo sapiens

<400> 126
tcgtctcgaa gaaagaaaga aga 23

<210> 127
<211> 20
<212> DNA
<213> Homo sapiens

<400> 127
caccatgggt taattgcaca 20

<210> 128
<211> 20
<212> DNA
<213> Homo sapiens

<400> 128
tgacgtgggt tcaggttgta 20

<210> 129
<211> 20
<212> DNA
<213> Homo sapiens

<400> 129
agtgcattgg tgccttctct 20

<210> 130
<211> 20
<212> DNA
<213> Homo sapiens

<400> 130
ggactgccaa ttctacagca 20

<210> 131
<211> 20
<212> DNA
<213> Homo sapiens

<400> 131
tttccatggg aaatttggtc 20

<210> 132
<211> 22
<212> DNA
<213> Homo sapiens

<400> 132
tgctactaga tttgaccaac ca 22

<210> 133
<211> 26
<212> DNA
<213> Homo sapiens

<400> 133
gacttgtaaa ggatttagtg atttcg 26

<210> 134
<211> 17
<212> DNA
<213> Homo sapiens

<400> 134
gtggaaggcc tctcttg 17

<210> 135
<211> 20
<212> DNA
<213> Homo sapiens

<400> 135
tgcttcttga gggaaagcat 20

<210> 136
<211> 21
<212> DNA
<213> Homo sapiens

<400> 136
cacgtggttc acctctctag g 21

<210> 137
<211> 17
<212> DNA
<213> Homo sapiens

<400> 137
ttggccactt atttgtg 17

<210> 138
<211> 17
<212> DNA
<213> Homo sapiens

<400> 138
cgatgagtga cagggct 17

<210> 139
<211> 17
<212> DNA
<213> Homo sapiens

<400> 139
cctcgtgggt ggaataa 17

<210> 140
<211> 20
<212> DNA
<213> Homo sapiens

<400> 140
ttggccatta gcaattagca 20

<210> 141
<211> 20
<212> DNA
<213> Homo sapiens

<400> 141
cgtgggtgga ataaatcagg 20

<210> 142
<211> 20
<212> DNA
<213> Homo sapiens

<400> 142
gttgaggcaa gagaatcact 20

<210> 143
<211> 19
<212> DNA
<213> Homo sapiens

<400> 143
gcacatttac accagggtg 19

<210> 144
<211> 21
<212> DNA
<213> Homo sapiens

<400> 144
ccttcagagg atttcccttt c 21

<210> 145
<211> 20
<212> DNA
<213> Homo sapiens

<400> 145
ctggtttgac tccagcttca 20

<210> 146
<211> 22
<212> DNA
<213> Homo sapiens

<400> 146
tgttcaaacc taaggtgctt ca 22

<210> 147
<211> 24
<212> DNA
<213> Homo sapiens

<400> 147
gaaacaacaa caacaacaac aaca 24

<210> 148
<211> 20
<212> DNA
<213> Homo sapiens

<400> 148
cctggcacgg aatagacact 20

<210> 149
<211> 19
<212> DNA
<213> Homo sapiens

<400> 149
ggcctccttt gctctgaag 19

<210> 150
<211> 21
<212> DNA
<213> Homo sapiens

<400> 150
catccctgtg gctgattaag a 21

<210> 151
<211> 20
<212> DNA
<213> Homo sapiens

<400> 151
aacagttcca gcccgttcta 20

<210> 152
<211> 22
<212> DNA
<213> Homo sapiens

<400> 152
tttcaaagga atatccaagt gc 22

<210> 153
<211> 24
<212> DNA
<213> Homo sapiens

<400> 153
tggcgtacca tataaacagt tctc 24

<210> 154
<211> 22
<212> DNA
<213> Homo sapiens

<400> 154
tttcaaagga atatccaagt gc 22

<210> 155
<211> 20
<212> DNA
<213> Homo sapiens

<400> 155
aaacgtgaca cttccacaca 20

<210> 156
<211> 20
<212> DNA
<213> Homo sapiens

<400> 156
ttcaatgaag gtgccgaagt 20

<210> 157
<211> 17
<212> DNA
<213> Homo sapiens

<400> 157
tgtctatccc aaagcaa 17

<210> 158
<211> 24
<212> DNA
<213> Homo sapiens

<400> 158
gcaagactct gttgaagaag aaga 24

<210> 159
<211> 21
<212> DNA
<213> Homo sapiens

<400> 159
tccctctgtt tgagtttctc g 21

<210> 160
<211> 19
<212> DNA
<213> Homo sapiens

<400> 160
aggcacagtc gctcatgtc 19

<210> 161
<211> 24
<212> DNA
<213> Homo sapiens

<400> 161
aaactttagc taatggtggt caaa 24

<210> 162
<211> 21
<212> DNA
<213> Homo sapiens

<400> 162
tgtgattcca gggagctatc a 21

<210> 163
<211> 20
<212> DNA
<213> Homo sapiens

<400> 163
taggtgtgtg gaggacagca 20

<210> 164
<211> 23
<212> DNA
<213> Homo sapiens

<400> 164
ccagtttcag ttagccaagt ctg 23

<210> 165
<211> 20
<212> DNA
<213> Homo sapiens

<400> 165
gagagggaat gaatgcagga 20

<210> 166
<211> 25
<212> DNA
<213> Homo sapiens

<400> 166
gagcatgtgt gactttcata ttcag 25

<210> 167
<211> 22
<212> DNA
<213> Homo sapiens

<400> 167
agtggctatt cattgctaca gg 22

<210> 168
<211> 20
<212> DNA
<213> Homo sapiens

<400> 168
ttgctggatg ctggtttcta 20

<210> 169
<211> 27
<212> DNA
<213> Homo sapiens

<400> 169
aaagagagag agaaagagaa agaaaga 27

<210> 170
<211> 16
<212> DNA
<213> Homo sapiens

<400> 170
ctggttgagc ggcatt 16

<210> 171
<211> 16
<212> DNA
<213> Homo sapiens

<400> 171
tgcagcctgg atgaca 16

<210> 172
<211> 22
<212> DNA
<213> Homo sapiens

<400> 172
cctatggaag catagggaag aa 22

<210> 173
<211> 21
<212> DNA
<213> Homo sapiens

<400> 173
cccacttctg agtctcctga t 21

<210> 174
<211> 20
<212> DNA
<213> Homo sapiens

<400> 174
gggatgcaga aaggatgtgt 20

<210> 175
<400> 175
000

<210> 176
<400> 176
000

<210> 177
<211> 20
<212> DNA
<213> Homo sapiens

<400> 177
aagaatgctg gccaacgtaa 20

<210> 178
<211> 17
<212> DNA
<213> Homo sapiens

<400> 178
ctctcagcag gcatcca 17

<210> 179
<211> 19
<212> DNA
<213> Homo sapiens

<400> 179
gccaacgtaa ttgacacca 19

<210> 180
<211> 18
<212> DNA
<213> Homo sapiens

<400> 180
ccttaggccc cataatct 18

<210> 181
<211> 21
<212> DNA
<213> Homo sapiens

<400> 181
caaattcctc aattgcaaaa t 21

<210> 182
<211> 20
<212> DNA
<213> Homo sapiens

<400> 182
ggtcattcag ggagccattc 20

<210> 183
<211> 25
<212> DNA
<213> Homo sapiens

<400> 183
ccattatatt tcaccaagag gctgc 25

<210> 184
<211> 20
<212> DNA
<213> Homo sapiens

<400> 184
tgcctggtca tctacccatt 20

<210> 185
<211> 20
<212> DNA
<213> Homo sapiens

<400> 185
tctactgcag cgctgatctt 20

<210> 186
<211> 22
<212> DNA
<213> Homo sapiens

<400> 186
catttatgaa tggaggtgaa gc 22

<210> 187
<211> 20
<212> DNA
<213> Homo sapiens

<400> 187
atgggagctc aaagggaaat 20

<210> 188
<211> 20
<212> DNA
<213> Homo sapiens

<400> 188
cagcaggaag atggacaggt 20

<210> 189
<211> 21
<212> DNA
<213> Homo sapiens

<400> 189
cacactgcat cacacatacc c 21

<210> 190
<211> 18
<212> DNA
<213> Homo sapiens

<400> 190
tatgccagta tgcctgct 18

<210> 191
<211> 19
<212> DNA
<213> Homo sapiens

<400> 191
gtcacatcag tccatttgc 19

<210> 192
<211> 21
<212> DNA
<213> Homo sapiens

<400> 192
ccaaagcaag taacctcctc a 21

<210> 193
<211> 20
<212> DNA
<213> Homo sapiens

<400> 193
aaacaatcac tgccctctgg 20

<210> 194
<211> 22
<212> DNA
<213> Homo sapiens

<400> 194
tgatgaaatt gcctagtgat gc 22

<210> 195
<211> 20
<212> DNA
<213> Homo sapiens

<400> 195
ggatccaatc gtacgctacc 20

<210> 196
<211> 20
<212> DNA
<213> Homo sapiens

<400> 196
cgaatgggtg actaacagca 20

<210> 197
<211> 19
<212> DNA
<213> Homo sapiens

<400> 197
ctggagtgca gggacatga 19

<210> 198
<211> 26
<212> DNA
<213> Homo sapiens

<400> 198
aaagaaatat tccaagaaga aagaaa 26

<210> 199
<211> 23
<212> DNA
<213> Homo sapiens

<400> 199
ttgcacaact ttgtgtagag cat 23

<210> 200
<211> 25
<212> DNA
<213> Homo sapiens

<400> 200
gggtatgtct ttattctcgg cagta 25

<210> 201
<211> 22
<212> DNA
<213> Homo sapiens

<400> 201
gtgcattcac agaccagtca tt 22

<210> 202
<211> 21
<212> DNA
<213> Homo sapiens

<400> 202
gggcttgaag gcactaaatg t 21

<210> 203
<211> 22
<212> DNA
<213> Homo sapiens

<400> 203
ccaagcagta attccttcct ca 22

<210> 204
<211> 20
<212> DNA
<213> Homo sapiens

<400> 204
acctaaacac cacggactgg 20

<210> 205
<211> 22
<212> DNA
<213> Homo sapiens

<400> 205
caggtatcga cattcttcca aa 22

<210> 206
<211> 22
<212> DNA
<213> Homo sapiens

<400> 206
tgggaagcca gtaaagtagg aa 22

<210> 207
<211> 23
<212> DNA
<213> Homo sapiens

<400> 207
aaagagactc cacacatcca ttt 23

<210> 208
<211> 21
<212> DNA
<213> Homo sapiens

<400> 208
agggctattc ctcaaggtgt t 21

<210> 209
<211> 21
<212> DNA
<213> Homo sapiens

<400> 209
tgctaacact accctcgcaa t 21

<210> 210
<211> 20
<212> DNA
<213> Homo sapiens

<400> 210
gggcaggaat ctctgaagtg 20

<210> 211
<211> 20
<212> DNA
<213> Homo sapiens

<400> 211
ctccactgag aagccaagga 20

<210> 212
<211> 19
<212> DNA
<213> Homo sapiens

<400> 212
aggccaagct ggtccatag 19

<210> 213
<211> 20
<212> DNA
<213> Homo sapiens

<400> 213
tctctcaaag cctcgctctc 20

<210> 214
<211> 20
<212> DNA
<213> Homo sapiens

<400> 214
cctttgaggc tggatctgtt 20

<210> 215
<211> 23
<212> DNA
<213> Homo sapiens

<400> 215
tttccttatc attcattccc tca 23

<210> 216
<211> 22
<212> DNA
<213> Homo sapiens

<400> 216
agatattgtc tccgttccat ga 22

<210> 217
<211> 22
<212> DNA
<213> Homo sapiens

<400> 217
cccagatata aggacctggc ta 22

<210> 218
<211> 23
<212> DNA
<213> Homo sapiens

<400> 218
tttaagccct gtggaatgta ttt 23

<210> 219
<211> 21
<212> DNA
<213> Homo sapiens

<400> 219
gacattgcag gtcaagtagg g 21

<210> 220
<211> 20
<212> DNA
<213> Homo sapiens

<400> 220
tgcataaggc tggagacaga 20

<210> 221
<211> 19
<212> DNA
<213> Homo sapiens

<400> 221
cacagcagat gggagcaaa 19

<210> 222
<211> 20
<212> DNA
<213> Homo sapiens

<400> 222
gtgcatgtgc ataccagacc 20

<210> 223
<211> 20
<212> DNA
<213> Homo sapiens

<400> 223
ggcaagatga cctctggaaa 20

<210> 224
<211> 20
<212> DNA
<213> Homo sapiens

<400> 224
gtccactgca gcacacagag 20

<210> 225
<211> 23
<212> DNA
<213> Homo sapiens

<400> 225
gcactggtag atacatgcta acg 23

<210> 226
<211> 19
<212> DNA
<213> Homo sapiens

<400> 226
gggtatcttg gccaggtgt 19

<210> 227
<211> 20
<212> DNA
<213> Homo sapiens

<400> 227
tggctaagca caatcccttt 20

<210> 228
<211> 22
<212> DNA
<213> Homo sapiens

<400> 228
tttgtgttcc aggtgagaat tg 22

<210> 229
<211> 20
<212> DNA
<213> Homo sapiens

<400> 229
gaaccatatc ccaaggcact 20

<210> 230
<211> 21
<212> DNA
<213> Homo sapiens

<400> 230
aacccaaatc aacaaaccag a 21

<210> 231
<211> 21
<212> DNA
<213> Homo sapiens

<400> 231
aatgaattct gggtcacatg c 21

<210> 232
<211> 22
<212> DNA
<213> Homo sapiens

<400> 232
ttgttcccac attcattcta ca 22

<210> 233
<211> 20
<212> DNA
<213> Homo sapiens

<400> 233
ttaaactcgt ggcaaagacg 20

<210> 234
<211> 18
<212> DNA
<213> Homo sapiens

<400> 234
caccatgcct ggctcttt 18

<210> 235
<211> 22
<212> DNA
<213> Homo sapiens

<400> 235
aacttctcca gttgtgtggt tg 22

<210> 236
<211> 18
<212> DNA
<213> Homo sapiens

<400> 236
agctgagctc atgccact 18

<210> 237
<211> 20
<212> DNA
<213> Homo sapiens

<400> 237
caagaccttg tgcatttgga 20

<210> 238
<211> 20
<212> DNA
<213> Homo sapiens

<400> 238
agccagacat ggtagtgtgc 20

<210> 239
<211> 22
<212> DNA
<213> Homo sapiens

<400> 239
gcaataactc acacatcagc aa 22

<210> 240
<211> 20
<212> DNA
<213> Homo sapiens

<400> 240
cctaccattg acactctcag 20

<210> 241
<211> 16
<212> DNA
<213> Homo sapiens

<400> 241
tagggccatc cattct 16

<210> 242
<211> 20
<212> DNA
<213> Homo sapiens

<400> 242
accaagatat gaaggccaaa 20

<210> 243
<211> 22
<212> DNA
<213> Homo sapiens

<400> 243
cctccagcta gaacaatgtg aa 22

<210> 244
<211> 21
<212> DNA
<213> Homo sapiens

<400> 244
tgtccatagc tgtagccctg t 21

<210> 245
<211> 20
<212> DNA
<213> Homo sapiens

<400> 245
ctcaatgggc atctttaggc 20

<210> 246
<211> 22
<212> DNA
<213> Homo sapiens

<400> 246
tgtaattcaa cgactggtgt cc 22

<210> 247
<211> 20
<212> DNA
<213> Homo sapiens

<400> 247
agcttctgat ggttgctggt 20

<210> 248
<211> 22
<212> DNA
<213> Homo sapiens

<400> 248
caaacaaaca aacaagcaaa cc 22

<210> 249
<211> 21
<212> DNA
<213> Homo sapiens

<400> 249
tggacgtttc tttcagtgag g 21

<210> 250
<211> 23
<212> DNA
<213> Homo sapiens

<400> 250
tgataactta ccagcatgtg agc 23

<210> 251
<211> 21
<212> DNA
<213> Homo sapiens

<400> 251
tcacctcacc taaggatctg c 21

<210> 252
<211> 20
<212> DNA
<213> Homo sapiens

<400> 252
catgcaattg cccaatagag 20

<210> 253
<211> 22
<212> DNA
<213> Homo sapiens

<400> 253
ttgggcttgt ctacctagtt ca 22

<210> 254
<211> 21
<212> DNA
<213> Homo sapiens

<400> 254
tgggttcctc atactggagt g 21

<210> 255
<211> 20
<212> DNA
<213> Homo sapiens

<400> 255
gcctgagctc caagctcttt 20

<210> 256
<211> 20
<212> DNA
<213> Homo sapiens

<400> 256
gctgcacgta tttgttggtg 20

<210> 257
<211> 20
<212> DNA
<213> Homo sapiens

<400> 257
aaacagcaga aatgggaacc 20

<210> 258
<211> 20
<212> DNA
<213> Homo sapiens

<400> 258
ccgtgggcta tcaatttctg 20

<210> 259
<211> 21
<212> DNA
<213> Homo sapiens

<400> 259
aagatgcaat ctggtttcca a 21

<210> 260
<211> 20
<212> DNA
<213> Homo sapiens

<400> 260
cccaagactg aggaggtcaa 20

<210> 261
<211> 20
<212> DNA
<213> Homo sapiens

<400> 261
gctgacggag aggaaagaga 20

<210> 262
<211> 20
<212> DNA
<213> Homo sapiens

<400> 262
tgacaagggt gtggttatgg 20

<210> 263
<211> 20
<212> DNA
<213> Homo sapiens

<400> 263
ccgcactttc tcttctggac 20

<210> 264
<211> 20
<212> DNA
<213> Homo sapiens

<400> 264
tgagaagcct gggcattaag 20

<210> 265
<211> 20
<212> DNA
<213> Homo sapiens

<400> 265
acaagctcat ccagggaaag 20

<210> 266
<211> 21
<212> DNA
<213> Homo sapiens

<400> 266
ttggaaagga agaaaggaag g 21

<210> 267
<211> 21
<212> DNA
<213> Homo sapiens

<400> 267
ttgaaaccta aatgccacct g 21

<210> 268
<211> 20
<212> DNA
<213> Homo sapiens

<400> 268
acctgttgta tggcagcagt 20

<210> 269
<211> 20
<212> DNA
<213> Homo sapiens

<400> 269
ggttgactct ttccccaact 20

<210> 270
<211> 19
<212> DNA
<213> Homo sapiens

<400> 270
agagctgatc tggccgaag 19

<210> 271
<211> 21
<212> DNA
<213> Homo sapiens

<400> 271
ggtggacaca gaatccacac t 21

<210> 272
<211> 18
<212> DNA
<213> Homo sapiens

<400> 272
ggcctgaaag gtatcctc 18

<210> 273
<211> 18
<212> DNA
<213> Homo sapiens

<400> 273
tcccaccata agcacaag 18

<210> 274
<211> 22
<212> DNA
<213> Homo sapiens

<400> 274
tcaacctagg attggcatta ca 22

<210> 275
<211> 21
<212> DNA
<213> Homo sapiens

<400> 275
tctaggattt gtgcctttcc a 21

<210> 276
<211> 23
<212> DNA
<213> Homo sapiens

<400> 276
gacgtcttag gattgacttc tgc 23

<210> 277
<211> 25
<212> DNA
<213> Homo sapiens

<400> 277
ccaaatacac attcttaaag ggaaa 25

<210> 278
<211> 20
<212> DNA
<213> Homo sapiens

<400> 278
gactgcagat cgtgggactt 20

<210> 279
<211> 21
<212> DNA
<213> Homo sapiens

<400> 279
ttctccagag aaaccaaacc a 21

<210> 280
<211> 20
<212> DNA
<213> Homo sapiens

<400> 280
attcgtgcag ctgtttctgc 20

<210> 281
<211> 22
<212> DNA
<213> Homo sapiens

<400> 281
gcatgacatt gtaaatggag ga 22

<210> 282
<211> 20
<212> DNA
<213> Homo sapiens

<400> 282
ggtgggaatg tgtgactgaa 20

<210> 283
<211> 22
<212> DNA
<213> Homo sapiens

<400> 283
ccaggtacaa cattctcctg at 22

<210> 284
<211> 16
<212> DNA
<213> Homo sapiens

<400> 284
tgcaggtggg agtcaa 16

<210> 285
<211> 24
<212> DNA
<213> Homo sapiens

<400> 285
aaataacaag aagtgacctt ccta 24

<210> 286
<211> 20
<212> DNA
<213> Homo sapiens

<400> 286
tgttctcctc accctgctct 20

<210> 287
<211> 22
<212> DNA
<213> Homo sapiens

<400> 287
tttcaggcta ggaagatcct tt 22

<210> 288
<211> 21
<212> DNA
<213> Homo sapiens

<400> 288
aaaggatgca ttcggttaga g 21

<210> 289
<211> 20
<212> DNA
<213> Homo sapiens

<400> 289
actgtcctgt gcctgtgctt 20

<210> 290
<211> 25
<212> DNA
<213> Homo sapiens

<400> 290
cctgaatagg tggaattaag atcaa 25

<210> 291
<211> 22
<212> DNA
<213> Homo sapiens

<400> 291
tcaaggagca tacacacaca ca 22

<210> 292
<211> 20
<212> DNA
<213> Homo sapiens

<400> 292
gtccacctaa tggctcattc 20

<210> 293
<211> 21
<212> DNA
<213> Homo sapiens

<400> 293
caagaagcac tcatgtttgt g 21

<210> 294
<211> 19
<212> DNA
<213> Homo sapiens

<400> 294
agcctgtgat tggctgaga 19

<210> 295
<211> 20
<212> DNA
<213> Homo sapiens

<400> 295
ggcttacagc tgcctccttt 20

<210> 296
<211> 21
<212> DNA
<213> Homo sapiens

<400> 296
cccacagagc actttgttag a 21

<210> 297
<211> 21
<212> DNA
<213> Homo sapiens

<400> 297
gcctcccttа agctgttatg c 21

<210> 298
<211> 23
<212> DNA
<213> Homo sapiens

<400> 298
cactctttac tgccaatcac tcc 23

<210> 299
<211> 19
<212> DNA
<213> Homo sapiens

<400> 299
gccgtgtggg tgtatgaat 19

<210> 300
<211> 22
<212> DNA
<213> Homo sapiens

<400> 300
ttgtaccagg aaccaaagac aa 22

<210> 301
<211> 20
<212> DNA
<213> Homo sapiens

<400> 301
cacagacaga ggcacattga 20

<210> 302
<211> 20
<212> DNA
<213> Homo sapiens

<400> 302
gctctggtca ctcctgctgt 20

<210> 303
<211> 19
<212> DNA
<213> Homo sapiens

<400> 303
catgcctggc tgattgttt 19

<210> 304
<211> 16
<212> DNA
<213> Homo sapiens

<400> 304
ccaacatcgg gaactg 16

<210> 305
<211> 21
<212> DNA
<213> Homo sapiens

<400> 305
tgcattcttt aagtccatgt c 21

<210> 306
<211> 21
<212> DNA
<213> Homo sapiens

<400> 306
cagcaactga caactcatcc a 21

<210> 307
<211> 20
<212> DNA
<213> Homo sapiens

<400> 307
cctcaatcct cagctccaac 20

<210> 308
<211> 21
<212> DNA
<213> Homo sapiens

<400> 308
tccttcacag cttcaaactc a 21

<210> 309
<211> 22
<212> DNA
<213> Homo sapiens

<400> 309
agtgagaagc ttccatactg gt 22

<210> 310
<211> 20
<212> DNA
<213> Homo sapiens

<400> 310
gccaaccgtt agacaaatga 20

<210> 311
<211> 21
<212> DNA
<213> Homo sapiens

<400> 311
ctacatgtgc accacaacac c 21

<210> 312
<211> 19
<212> DNA
<213> Homo sapiens

<400> 312
agtttattgc cgccgagag 19

<210> 313
<211> 19
<212> DNA
<213> Homo sapiens

<400> 313
acccaccaca ttcacaagc 19

<210> 314
<211> 20
<212> DNA
<213> Homo sapiens

<400> 314
cgattgccat gtctctttga 20

<210> 315
<211> 20
<212> DNA
<213> Homo sapiens

<400> 315
gagatctggc ctggatttgt 20

<210> 316
<211> 21
<212> DNA
<213> Homo sapiens

<400> 316
tgaggccagc cttacctcta t 21

<210> 317
<211> 18
<212> DNA
<213> Homo sapiens

<400> 317
ccagacatgg tggcttgt 18

<210> 318
<211> 20
<212> DNA
<213> Homo sapiens

<400> 318
gaaggaagga agggaaggaa 20

<210> 319
<211> 21
<212> DNA
<213> Homo sapiens

<400> 319
aaggatgaga agagtccatg c 21

<210> 320
<211> 23
<212> DNA
<213> Homo sapiens

<400> 320
aaataccctt tgaacagaca cac 23

<210> 321
<211> 20
<212> DNA
<213> Homo sapiens

<400> 321
tagctgagca tggtggtacg 20

<210> 322
<211> 22
<212> DNA
<213> Homo sapiens

<400> 322
aaagacaaga cagcaatcca aa 22

<210> 323
<211> 20
<212> DNA
<213> Homo sapiens

<400> 323
gcagaaccca ggctacagat 20

<210> 324
<211> 23
<212> DNA
<213> Homo sapiens

<400> 324
tcattgtcag cacagaatga act 23

<210> 325
<211> 20
<212> DNA
<213> Homo sapiens

<400> 325
ggagggaggg aagaaagaga 20

<210> 326
<211> 19
<212> DNA
<213> Homo sapiens

<400> 326
gcaacacagt gaaagccca 19

<210> 327
<211> 19
<212> DNA
<213> Homo sapiens

<400> 327
acaggagcat gccaccatg 19

<210> 328
<211> 22
<212> DNA
<213> Homo sapiens

<400> 328
gggaagagga gattgacttg tt 22

<210> 329
<211> 20
<212> DNA
<213> Homo sapiens

<400> 329
ggaacaccat cattccaacc 20

<210> 330
<211> 20
<212> DNA
<213> Homo sapiens

<400> 330
tacaagctcc accgtccttc 20

<210> 331
<211> 20
<212> DNA
<213> Homo sapiens

<400> 331
tgagttgctg cctcttcaaa 20

<210> 332
<211> 20
<212> DNA
<213> Homo sapiens

<400> 332
tgctaatggg ccaaggaata 20

<210> 333
<211> 23
<212> DNA
<213> Homo sapiens

<400> 333
gctaaatgtc ctcatgaata gcc 23

<210> 334
<211> 20
<212> DNA
<213> Homo sapiens

<400> 334
tgtcctgcag acagatggtc 20

<210> 335
<211> 20
<212> DNA
<213> Homo sapiens

<400> 335
cctccggagt agctggatta 20

<210> 336
<211> 20
<212> DNA
<213> Homo sapiens

<400> 336
gagactggcc ctcattcttg 20

<210> 337
<211> 25
<212> DNA
<213> Homo sapiens

<400> 337
aagaagccag agacaaagaa ataca 25

<210> 338
<211> 24
<212> DNA
<213> Homo sapiens

<400> 338
catctatctt tggattcagt ggtg 24

<210> 339
<211> 20
<212> DNA
<213> Homo sapiens

<400> 339
tgctcccaac atcttaccag 20

<210> 340
<211> 23
<212> DNA
<213> Homo sapiens

<400> 340
tgtcctctgg tcatttctat ggt 23

<210> 341
<211> 23
<212> DNA
<213> Homo sapiens

<400> 341
catgaatgag aagtgatgaa tgg 23

<210> 342
<211> 20
<212> DNA
<213> Homo sapiens

<400> 342
aacacgggaa attccaacag 20

<210> 343
<211> 23
<212> DNA
<213> Homo sapiens

<400> 343
tgaagaactg aaattgccag taa 23

<210> 344
<211> 22
<212> DNA
<213> Homo sapiens

<400> 344
cagacactgt aaactggctt cg 22

<210> 345
<211> 20
<212> DNA
<213> Homo sapiens

<400> 345
gccacattgc tatcagcgta 20

<210> 346
<211> 21
<212> DNA
<213> Homo sapiens

<400> 346
tgtcataggc ttgcggtatt t 21

<210> 347
<211> 20
<212> DNA
<213> Homo sapiens

<400> 347
ttggtagggt cctttccttt 20

<210> 348
<211> 20
<212> DNA
<213> Homo sapiens

<400> 348
gcctgctcac tgttgtttga 20

<210> 349
<211> 21
<212> DNA
<213> Homo sapiens

<400> 349
cggttatcag agactggtgg t 21

<210> 350
<211> 21
<212> DNA
<213> Homo sapiens

<400> 350
ggcttatttc atgtacggct a 21

<210> 351
<211> 26
<212> DNA
<213> Homo sapiens

<400> 351
ggttaaactc tacttagtcc tgatgc 26

<210> 352
<211> 20
<212> DNA
<213> Homo sapiens

<400> 352
gaactctgca ggcacctctt 20

<210> 353
<211> 20
<212> DNA
<213> Homo sapiens

<400> 353
cctgaagcgc ttgtactgaa 20

<210> 354
<211> 20
<212> DNA
<213> Homo sapiens

<400> 354
tgttgcgtac tcagcccata 20

<210> 355
<211> 20
<212> DNA
<213> Homo sapiens

<400> 355
gacaggtgtc aaacgggtct 20

<210> 356
<211> 20
<212> DNA
<213> Homo sapiens

<400> 356
ttggcttctc gctctttctt 20

<210> 357
<211> 20
<212> DNA
<213> Homo sapiens

<400> 357
agccatcagt cacatgcaaa 20

<210> 358
<211> 20
<212> DNA
<213> Homo sapiens

<400> 358
agatctccag ggcagaggac 20

<210> 359
<211> 20
<212> DNA
<213> Homo sapiens

<400> 359
ccttcctccc tccttctctc 20

<210> 360
<211> 21
<212> DNA
<213> Homo sapiens

<400> 360
cgtcattgat cccaatcatc t 21

<210> 361
<211> 20
<212> DNA
<213> Homo sapiens

<400> 361
ggctgatagc ctcccttgta 20

<210> 362
<211> 21
<212> DNA
<213> Homo sapiens

<400> 362
gagagagagc agcttgcatg t 21

<210> 363
<211> 20
<212> DNA
<213> Homo sapiens

<400> 363
ggctgatagc ctcccttgta 20

<210> 364
<211> 20
<212> DNA
<213> Homo sapiens

<400> 364
acctttcaag cttccggttt 20

<210> 365
<211> 20
<212> DNA
<213> Homo sapiens

<400> 365
ttccatccgt ccatctatcc 20

<210> 366
<211> 23
<212> DNA
<213> Homo sapiens

<400> 366
ttaaagtcac ttgtctgtgg tca 23

<210> 367
<211> 27
<212> DNA
<213> Homo sapiens

<400> 367
tttgtaggaa tcaagtcaaa taatgta 27

<210> 368
<211> 20
<212> DNA
<213> Homo sapiens

<400> 368
caaacatcac actgggcaaa 20

<210> 369
<211> 21
<212> DNA
<213> Homo sapiens

<400> 369
tgctttggaa tctttcttgc t 21

<210> 370
<211> 19
<212> DNA
<213> Homo sapiens

<400> 370
ctgccaggat gtcagcatt 19

<210> 371
<211> 23
<212> DNA
<213> Homo sapiens

<400> 371
tccacacttt ctcatcacct aaa 23

<210> 372
<211> 20
<212> DNA
<213> Homo sapiens

<400> 372
ctttcggaag cttgagccta 20

<210> 373
<211> 20
<212> DNA
<213> Homo sapiens

<400> 373
cccaagacca ctgccatatt 20

<210> 374
<211> 22
<212> DNA
<213> Homo sapiens

<400> 374
tgacaggttt gggtatattg ga 22

<210> 375
<211> 20
<212> DNA
<213> Homo sapiens

<400> 375
tgcttaatgt agtggcagca 20

<210> 376
<211> 20
<212> DNA
<213> Homo sapiens

<400> 376
tcctgccttt gtgaattcct 20

<210> 377
<211> 20
<212> DNA
<213> Homo sapiens

<400> 377
gttgaatgag gtgggcatta 20

<210> 378
<211> 21
<212> DNA
<213> Homo sapiens

<400> 378
ccatttaatc ctccagccat t 21

<210> 379
<211> 20
<212> DNA
<213> Homo sapiens

<400> 379
gctccacctt gttaccctga 20

<210> 380
<211> 20
<212> DNA
<213> Homo sapiens

<400> 380
acaaccctgg aatctggact 20

<210> 381
<211> 22
<212> DNA
<213> Homo sapiens

<400> 381
gaaggaaagg aaaggaaaga aa 22

<210> 382
<211> 23
<212> DNA
<213> Homo sapiens

<400> 382
tgacaagact gaaacttcat cag 23

<210> 383
<211> 20
<212> DNA
<213> Homo sapiens

<400> 383
gatgcttgct ttgggaggta 20

<210> 384
<211> 19
<212> DNA
<213> Homo sapiens

<400> 384
ttgaggacct gtcgttacg 19

<210> 385
<211> 21
<212> DNA
<213> Homo sapiens

<400> 385
ttatagagca gttaaggcac a 21

<210> 386
<211> 21
<212> DNA
<213> Homo sapiens

<400> 386
tgagggtggt aagcccttat t 21

<210> 387
<211> 21
<212> DNA
<213> Homo sapiens

<400> 387
ggagttgtgg cctctctctc t 21

<210> 388
<211> 20
<212> DNA
<213> Homo sapiens

<400> 388
aagcaaatat gcaaaattgc 20

<210> 389
<211> 23
<212> DNA
<213> Homo sapiens

<400> 389
tccttctgtt tcttgactta aca 23

<210> 390
<211> 20
<212> DNA
<213> Homo sapiens

<400> 390
tgctaagagg gcagatctca 20

<210> 391
<211> 20
<212> DNA
<213> Homo sapiens

<400> 391
ggctcatagc caatttctcc 20

<210> 392
<211> 21
<212> DNA
<213> Homo sapiens

<400> 392
cggcattctc aataacctca a 21

<210> 393
<211> 24
<212> DNA
<213> Homo sapiens

<400> 393
tctttgatga ggatcaatta gtgg 24

<210> 394
<211> 20
<212> DNA
<213> Homo sapiens

<400> 394
acgcacacac acacacacac 20

<210> 395
<211> 22
<212> DNA
<213> Homo sapiens

<400> 395
tgcctctgta atcctgtgta gc 22

<210> 396
<211> 21
<212> DNA
<213> Homo sapiens

<400> 396
gctctaaggt gggtcccaat a 21

<210> 397
<211> 23
<212> DNA
<213> Homo sapiens

<400> 397
gggaatgaca agatcagttt acc 23

<210> 398
<211> 396
<212> DNA
<213> Homo sapiens

<400> 398
gattatatcc cacctaccac tgcagctcca ggatccagct tcacaaacat ttgttgaatg 60

aatgaataag aaaagaggac acccccaaag aggctgcaag ggaaaaagct acaaagacag 120

aagcaccagg aaaaagtagg gtcatgtaag tcaaagcagg aaaaaagttc catggtgggg 180

tggtcagcag tgtctaatrc cacgaaggca caaagtagga taaaggttaa aaatcagcct 240

ttggttttgg caaatatgaa gcttatcggt agccttagcg agaacaattc catcagggag 300

cagaagctaa ctgcagtggg ttgagtcatc aagcaggcat aaggaagtag ggatacccca 360

ttataagcta ctctttcaag aagctcaaat ctgaag 396

<210> 399
<211> 396
<212> DNA
<213> Homo sapiens

<400> 399
acaaaaatta ccatcatatg ctgtcatgca tgtctgccag tctatttatc atattattta 60

agaaacaaac atttattgaa gatttatcat gtgctcagca ctgccaaaga ggaaataaag 120

agcataatat ctattcttag aaaataacat taacacaaat agaaaacaag aaaccataat 180

gttaaaaata ttacatagya acacagaaag acaatgtata attatacata cgcactaaag 240

caaagataac ataatttata aattatgagg tacagaatag ttagattctg aaaattaaaa 300

taatcaggaa aaacttcatg aagatgagat ctgggctgga tcccaaagga taggcaggtg 360

gatcatgtag aacaggggaa aggagttcct gatcgg 396

<210> 400
<211> 396
<212> DNA
<213> Homo sapiens

<400> 400
aactaaagaa agccacaaaa gttcacctca atgccaagac atttcttgat ttttgaaaac 60
ccagttgtcg aaccacccat ctatagaaac ttgaaagact aaaaactatc ttactctaaa 120

cattttctag gaagttgatt ctacaacaca ttttggtttt ccaatttggc ttctaataat 180

tatttcaaag tttctgtgrc ctaaattttg ttttacattg atcctttgaa tggactactg 240

tttccacatt ttagaacatt taaaaagata tctacaaccc gagtctaatc ataaaaaaaa 300

tcagacagat ccaaaatgtg gaacattcca ctaaaaaagg agtggggaga ggtctttatt 360

cttccaaaaa tatcaatgcc ataaaagaca aagacg 396

<210> 401
<211> 396
<212> DNA
<213> Homo sapiens

<400> 401
acccttcaac cccagcccag ctgctaactg actacagcca catgaacaga accaggtgag 60

accagaggaa acttccagtc acctaccaga tcatgacaaa taataaacga tgtttttaa 120

accacaaaga tttggagcag catttgttac acaaaattag acaactatta cagttcgact 180

aaaaacatgt tcatttacra tactaaatta gaagtgtaag aatgggagaa aaacttcata 240

ctttaaaagt catttttcc tccaaaaact tccaactttg aaaaactgat ttttataatg 300

cataaaaatt aaaataacct tagaatttat atgagtagca tagccagctg gctttattat 360

ctgttgtact caacacttca ataatcactg atgttt 396

<210> 402
<211> 396
<212> DNA
<213> Homo sapiens

<400> 402
atgaccttac ctcgttttgt tttccttgtc tgagagaaac acattagcag tctcccatct 60

tgtttttcct tttcctgtca cccaggacag agggcagtgg tgtgatcaca gctctgcagc 120

acgacttccc caggttcagg tgatcctccc acctcagcct cccaaggagc tgggaccaca 180

ggcacatgcc accacgtcsa gcttaatttt gtatttttt ggtagagatc aggttttgcc 240

ttattgcccc aagctgatct tgaattcctg ggctgaagca atctgcctgc cctggcctct 300

ccaagtgtta ggattacagg tataagccac cgtgcagcct tatattttgt tttaaatttt 360

cctctgtatt tttctctctg gcaaattgtt taggga 396

<210> 403
<211> 396
<212> DNA
<213> Homo sapiens

<400> 403
ttttttggta gagatcaggt tttgccttat tgccccaagc tgatcttgaa ttcctgggct 60

gaagcaatct gcctgccctg gcctctccaa gtgttaggat tacaggtata agccaccgtg 120

cagccttata ttttgtttta aattttcctc tgtatttttc tctctggcaa attgtttagg 180

gagtttcttt agtttatcrg actaaatttc aaggctttcc ttccaatttt gacatgtaaa 240

cagtccctca tttctgctta tctagtgatt attcccaaat ctgtgtttac agtctagctg 300

tctctcctga gattaagact tgtttctcta actacctgac ggcagaatct cctcttggaa 360

gtatcaagga ggcagttcaa aactgaactg ggcatt 396

<210> 404
<211> 396
<212> DNA
<213> Homo sapiens

<400> 404
gctgatcttg aattcctggg ctgaagcaat ctgcctgccc tggcctctcc aagtgttagg 60

attacaggta taagccaccg tgcagcctta tattttgttt taaattttcc tctgtatttt 120

tctctctggc aaattgttta gggagtttct ttagtttatc agactaaatt tcaaggcttt 180

ccttccaatt ttgacatgya aacagtccct catttctgct tatctagtga ttattcccaa 240

atctgtgttt acagtctagc tgtctctcct gagattaaga cttgtttctc taactacctg 300

acggcagaat ctcctcttgg aagtatcaag gaggcagttc aaaactgaac tgggcattgg 360

ctccactcct tctccttctc tttactatta ataccc 396

<210> 405
<211> 396
<212> DNA
<213> Homo sapiens

<400> 405
taagtcttat ttaggcatcg tttcttctgg gagacctttg tagaatctct gaggttatgt 60

taacatgcta aggttttctt gacattctca gattgggtta ggtgaacttt tagcaactta 120

tctttttact aaaaagtcat ccctcagtat ctgtggggaa ttggttctag gactccctaa 180

ggatatcaaa atctgcatra gcagcccagg tgagaccagc agaagcactt tacagtcacc 240

tacaggatca tgacaaataa taaatcatgt ttaagccaca aagtccttta cataaaatgg 300

tatagtattt gcatataacc tacacatctt cctgtatcct ttaaatcatc tctagtttat 360

aatacctcat acgatgaaaa tactacgtaa atagtt 396

<210> 406
<211> 396
<212> DNA
<213> Homo sapiens

<400> 406
aagcagttcc taattactgg acattctcag atctgctaga gctacatgtc caattacgag 60

aatatactgg aaaaagccct ggattagaaa tgagaggatg taggttttag taccaggtca 120

gccaccttgt taatgcaaat ttgagtaaat tgttacttct tttaggcctt gtttttgctg 180

ttttgttttt ctgacagtmt ggtctctgtg gtccaggctg gagtgcagag gcacaatatc 240

aggtccctgc agtctctacc tcccaggatc aagccatttt catgcctcat cctcctgagt 300

agctgggatt acaggcatgt gccaccacac cctcgaactc ctgacctcaa gtgatctgct 360

tgcctcagcc tcccaaagtg ctgggattag aggtgt 396

<210> 407
<211> 396
<212> DNA
<213> Homo sapiens

<400> 407
gaatatactg gaaaaagccc tggattagaa atgagaggat gtaggtttta gtaccaggtc 60

agccaccttg ttaatgcaaa tttgagtaaa ttgttacttc ttttaggcct tgtttttgct 120

gttttgtttt tctgacagta tggtctctgt ggtccaggct ggagtgcaga ggcacaatat 180

caggtccctg cagtctctrc ctcccaggat caagccattt tcatgcctca tcctcctgag 240

tagctgggat tacaggcatg tgccaccaca ccctcgaact cctgacctca agtgatctgc 300

ttgcctcagc ctcccaaagt gctgggatta gaggtgtgag ccactgtgcc tagccttaca 360

cattgttttc ttactggtaa agtgggaata tctaga 396

<210> 408
<211> 396
<212> DNA
<213> Homo sapiens

<400> 408
gttttgtttt tctgacagta tggtctctgt ggtccaggct ggagtgcaga ggcacaatat 60
caggtccctg cagtctctac ctcccaggat caagccattt tcatgcctca tcctcctgag 120
tagctgggat tacaggcatg tgccaccaca ccctcgaact cctgacctca agtgatctgc 180
ttgcctcagc ctcccaaakt gctgggatta gaggtgtgag ccactgtgcc tagccttaca 240
cattgttttc ttactggtaa agtgggaata tctagaagtt gcatgctaca taaattcaac 300
catatattat tggcaaaaaa ttttaaagaa aaacatcagc ttaagagtac taattgagta 360
catgccttgg aatgagcatg agctggaaag aacaaa 396

<210> 409
<211> 396
<212> DNA
<213> Homo sapiens

<400> 409
ggcaaaaaat tttaaagaaa aacatcagct taagagtact aattgagtac atgccttgga 60
atgagcatga gctggaaaga acaaacctgt tgttacatca ctcattgctg ttttcatatg 120
ctgctcattg taaatcttgc tcagtggcat gattttagtg tttaaagatt tatttgtttg 180
tttgtttagg acaaagtcyc tacacataat ctacttgctt catatataca tacttatgca 240
tattatgtat gtacatacat gctctcaggg ctcacatgaa aaaacagcca ttcaggtgat 300
gtgatttatc tcatatgctt actttagagt caacagggtg ttgactccac tatacaatac 360
tggcatggag aacacataag tcaaagtaga caggac 396

<210> 410
<211> 396
<212> DNA
<213> Homo sapiens

<400> 410
tttatttgtt tgtttgttta ggacaaagtc tctacacata atctacttgc ttcatatata 60

catacttatg catattatgt atgtacatac atgctctcag ggctcacatg aaaaaacagc 120
cattcaggtg atgtgattta tctcatatgc ttactttaga gtcaacaggg tgttgactcc 180
actatacaat actggcatrg agaacacata agtcaaagta gacaggaccc agccgtacca 240
ttggctaggg cacaaatata ttcacatatg tggagaatga tgtacgtaga aaggtcttca 300
ttgcacaatg ctctttaata aagatctgga aaaaaaaaac acctaaatgt tcaaaaggat 360
agggtagatg aaataatggt acattataaa atggaa 396

<210> 411
<211> 396
<212> DNA
<213> Homo sapiens

<400> 411
tctgtcaccc aggctggagt gcagtggcat gatcatgtct ccttgcagcc ttgacttccc 60
tggctcaggt gggcctccca cctcagtctc ccaagtagct ggaactacag tcgtgcacca 120
ccatagccag ctaagatagt gagatggtgg ccccactgtc ttgcccaggc tggactcgat 180
ttcctgggtg caagcaccst tcccgcctca gcctcccaaa gtgctgggat tacaggcatg 240
agtcaccatt ccagcctact tgtctttaat tcttaaaaat attaatgttg agttttgtct 300
cccagcatgt gggaaagatg tcatccattg cttctgtttc ctggaggcct gggagcaagg 360
agcccaggaa cagtatcacg aagcttgaga taatac 396

<210> 412
<211> 396
<212> DNA
<213> Homo sapiens

<400> 412
atcattgatg ggcatttggg ttggttccaa gtctttgcta ttgtgatttt ttttttttt 60
ttttttttt taagacagag cctcactctg ttgcccaggc tggagtgcga tggcatgatc 120
tcagctcact gcaacctccg cctctcaggt tcaagcaatt cttctgcctc agcctcccaa 180
gtagctggga ctacaggcrc ccaccaccag gcccagctaa tttttgtatt tttagtagag 240
acagggtttc accatgttgg tcaggctggt cttgaactcc agacctcatg atctgcctgc 300
cttggcctcc caaagtgctg aaattacagg tgtgagccac catacctggc ctaggcagtc 360
tttttcaaaa ctctaagact gtgcttgtgt ctcagg 396

<210> 413
<211> 395
<212> DNA
<213> Homo sapiens

<400> 413
ggtatgaggt aaggatccat ttttttccca tttgcatagc cagtttttgt agctccactt 60
tattttctca cttgatctgc catgccacct ctagcatgta tcaacatatc atgtatgtgt 120
gcagctgttc cttaactctc aattttattc tcttggttac tttgtctaac ccagcactca 180
tacttttaa attattaygg ctaccttgta gggcaagaat cctcactttt attcaacttc 240
ttttgaagtg tcttgatgca tatttttttct gatcttactt ggccatatat attttgggga 300
cagatgtgac atcataccaa gctttctttg cttgacattg tagatatttt cttattcatt 360
aatgtgctaa aaattttgag tttggtcata cagtc 395

<210> 414
<211> 396
<212> DNA
<213> Homo sapiens

<400> 414
gtttctaaca ttatagacac tagttttagg ctcttggagg ctagcagcaa ttctcagagg 60
taatgcaagc ttccccattt cttcccgtag tcctgtgaaa gaccagccac ctccagaagc 120
ctacacatga gtcttctcag ccatactttc tgcttttcct aatgcctctc agcagcgtat 180
tagaaaggcc atgatcgayg tacctgttac cttcaggctt tgcataaggt gtatatgaaa 240
cataatgaat ttcgtgttta ggctcaggtc ccatccccag gttacctctt tatcttggag 300
acacttctgg tcccatacat ttcagataag agatattcaa cctgtaccca ccacgtaagg 360
agaggaatag gttttagaag aggagtcagg gaggca 396

<210> 415
<211> 396
<212> DNA
<213> Homo sapiens

<400> 415
gcatctatta aaagtgatgg ttttagtatc ctgtctcatt ttttcctttc cttacatcat 60
gtattatagg taaacacatg cgcatgtgtg tatttctctt ttagacaaag gatgagatta 120
ctactgttag ctcagttttt ttttccctac ttaacatctt tgcttttatt ttttagacat 180
atttctaaga ctattaaaya ttagacttac gtagcccttc tgtcattgtg aaatacatag 240
tttactaaca gctaccatca agataaagcc tttatttaaa taattaaact tcttagtgga 300
aagctaagta agcacagttt atggattttg ggaatttttg ccttgcattt gtctgatatg 360
gtaaaatatt gagtttgttt ttctcataat gttcac 396

<210> 416
<211> 396
<212> DNA
<213> Homo sapiens

<400> 416
gataactcaa tccccttaaa gggttgtatc aagccattga taagggctca ctttgatata 60
accattttct gttatttaga cactctttca cacttcctat tttcctcctg gggatggttt 120
gaatggatga cacaatacca tattataaaa gcactttaca aactgtaact tatgttataa 180
atgtaattat taccttaarg ttttaccctg tttcagattt gagtggaagt agttctttac 240
aatacaaaac aacttatttt aacttttttt gcatttcaaa gaatgatcaa tccacttcag 300
gtgcagcatg gtttccaacc ctgacagcat ggaagaatca tttatttagc ttctaaaaat 360
gtgcaggctg taccctagac cagccttggg gattag 396

<210> 417
<211> 396
<212> DNA
<213> Homo sapiens

<400> 417
tcctctctct cattctctct ctctctctct ttctctctct ccttctttgc tccttcattc 60
cttctctctc tctcttttt ttttgagaca gcatctcact atattgccca ggctgttctc 120
aaactcctgg gctcaagtga tcctcctgcc tcagcttcct gagtagctag gactacaggc 180
acatgctatg gcaatactrt tttaaacatt gttttcaagg ctccccaggt gattccagtg 240
tgggtcatgt ggtagagaac cactgacaca ggcaaacaaa ggatacataa agttgtctat 300
ttaatgggta ggtgcaggta gtagataaga gtgtagccac ataaaccaca tgcttagtga 360
acggttttgt tttgtgtgta tgtgagggat tagcat 396

<210> 418
<211> 396
<212> DNA
<213> Homo sapiens

<400> 418
ttcaggttcc atttagcacg acagcaggga agggactgtt ggcagaaaaa aactggggca 60
gtgggattaa agacagacca cacattccaa aaggcaccgt gggagggtca gggggcgagg 120
ttaggtctag gcttcagtgt cctgggagac tcagtcttca cagggtgaca gcgatcaaga 180
gtgcagctta ggctgggtrc agtggctcat gcctgtagtc ccagcacttt gggaggccga 240
gacgggagga ttgcttgaag ccaggagttt gagaccagtc tgaccaacat ggcaaaaccc 300
catctctact aaaaatacaa aaatcaactg ggcatggtgg cgtgtgcctg tagtcccagc 360
tacttgagag gctgaggcaa gagaatcact tgaacc 396

<210> 419
<211> 396
<212> DNA
<213> Homo sapiens

<400> 419
taaatgatca ttatgttcat attcacacat acaataatgt actcaagttt attgctaagg 60

taattcagaa tctccttatt ttgaagtgtg catttgatat acctgtttgg gaataactag 120
tttcttatct ttgacagaaa ataatttttgt tgttttgttt ttactaaaaa agcatggtga 180
aaaatggctc catttctawg agaggtaact aaaatatcgc aatttgctgg gtgtcattaa 240
agtaactcac aagggaaaaa atgcaaattg gtatctgctg atggagtaaa tctccgcaga 300
agtgatgacc ctgaaaggat caatatatta aagcccctcc cagctggtca ttccagattg 360
caacaataaa gcattaagtg ttaaaacctc aaggca 396

<210> 420
<211> 396
<212> DNA
<213> Homo sapiens

<400> 420
ctcatcaagc ccacctttat acttcatttc tccagacttc atgtccagac tgtgggatga 60
acaagtggtt ataaggtttt agaggctcct gtaggactag atggaaggca aaaaaaggaa 120
ataaccttta agcatgctct cgattcctta aatcccatct gaaagtctta aggatgtctt 180
ctcagtcata cttatttgrc aatattacct aattttctcc attagcccaa gctcaggggt 240
ctttcttctt ccatattcac atgggtgcaa tggttttctg aaaggaaaac agcattacta 300
gggcagtaac atttaattaa tcacaggtac ttatcaaact acaaaacagg cattccagga 360
actgggtgtt tctgtttgta aaattacact ctcgtg 396

<210> 421
<211> 396
<212> DNA
<213> Homo sapiens

<400> 421
taggactaga tggaaggcaa aaaaaggaaa taacctttaa gcatgctctc gattccttaa 60
atcccatctg aaagtcttaa ggatgtcttc tcagtcatac ttatttgaca atattaccta 120
attttctcca ttagcccaag ctcaggggtc tttcttcttc catattcaca tgggtgcaat 180
ggttttctga aaggaaaaya gcattactag ggcagtaaca tttaattaat cacaggtact 240
tatcaaacta caaaacaggc attccaggaa ctgggtgttt ctgtttgtaa aattacactc 300
tcgtgtacat gctcccacta aaatgtaagt tcgctgagga tggaggtttt ggtctctttg 360
ctctgtgctg taaccccaac actgcagcag ggcctg 396

<210> 422
<211> 396
<212> DNA
<213> Homo sapiens

<400> 422
gctgcatagt ctcacttagg tgtggaatct aaaaaagtca aattaaaaaa aaatgtcaag 60
cagagaatag aatggtagtt gccagggact ctgggaagta gcaggggtgg gggtggaggg 120
gaggggatgg gcagaagttg gtcaaaaggt acaaagtttc aggtagacag gtgtaagttc 180
tggggatcta ttgtacagmg tggtgactgt agttaatact gtattgtgta cttaaaaatt 240
gctcaccaaa aatgttctca ccaaaaaaat gatgtttgga tatgttaaac agtttgattt 300
aatcattttg acgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtatac atcaaaacat 360
cacattatat accatataca attaatatat acaatt 396

<210> 423
<211> 396
<212> DNA
<213> Homo sapiens

<400> 423
ggggtaaatg ctgactgcct gttctctgga caggaatgga gaagatggtg ctagcagggt 60
tgctgttcat atgtagacat tcatgcagtc actctctttt cagcacactt cttacttctg 120
ccctgggttc agttgctgac tctgagccca gaaaccttct agggttctgt taggtagatt 180
ggcttccacc gtctttgcra caaccacaga aaattctaga ctgttttctc ttcgggcttc 240
attagtcaac ttgcttcagt ctgtcttgca tcttctaaat atttatagat ctctctcttt 300
tgttggagtg gcagaaaatg ctagttgacc acccaatatt caaattatcc tgcctcctta 360
ataacagaat atcattggat gtggtgggta aataat 396

<210> 424
<211> 396
<212> DNA
<213> Homo sapiens

<400> 424
atggagaaga tggtgctagc agggttgctg ttcatatgta gacattcatg cagtcactct 60
cttttcagca cacttcttac ttctgccctg ggttcagttg ctgactctga gcccagaaac 120
cttctagggt tctgttaggt agattggctt ccaccgtctt tgcgacaacc acagaaaatt 180
ctagactgtt ttctcttcrg gcttcattag tcaacttgct tcagtctgtc ttgcatcttc 240
taaatattta tagatctctc tcttttgttg gagtggcaga aaatgctagt tgaccaccca 300
atattcaaat tatcctgcct ccttaataac agaatatcat tggatgtggt gggtaaataa 360
tataccctaa ctttccttgc agagaggggt ggccaa 396

<210> 425
<211> 396
<212> DNA
<213> Homo sapiens

<400> 425
cagggttgct gttcatatgt agacattcat gcagtcactc tcttttcagc acacttctta 60
cttctgccct gggttcagtt gctgactctg agcccagaaa ccttctaggg ttctgttagg 120
tagattggct tccaccgtct ttgcgacaac cacagaaaat tctagactgt tttctcttcg 180
ggcttcatta gtcaacttkc ttcagtctgt cttgcatctt ctaaatattt atagatctct 240
ctcttttgtt ggagtggcag aaaatgctag ttgaccaccc aatattcaaa ttatcctgcc 300
tccttaataa cagaatatca ttggatgtgg tgggtaaata atatacccta actttccttg 360
cagagagggg tggccaatga gatggaaatg aaagtc 396

<210> 426
<211> 396
<212> DNA
<213> Homo sapiens

<400> 426
tgggattgag ttcttgattt gattttgagc ttggccatca ttggtgtata gcagtgctag 60
tgatttgtgt acattgattt tgtaacctaa cactactaaa ttcacttatc aaatctggga 120
gatttttgag gattccttag gattttctag gtatgagatc atatcattgg tagaggtagt 180
ttgagtttct cttttccart ttggatgccc tttatttctt tctcttgcct gattgctctg 240
actagggctt ctagtactat gttgaataga aatggtgaaa agtgggcatc cttgtctcat 300
tctaattttt agggggaaat gctttcaact tttccccatt cattttgatg ttggctgtga 360
gtttgtcata gatgattctt actattttga gatata 396

<210> 427
<211> 396
<212> DNA
<213> Homo sapiens

<400> 427
tcttttgccc tgcctttctg cctttctgtc cttttaattt gcgggctttt ggcaaccaca 60
gcacgggtct ggtttcctag gagtttcttt tgtaggatca aaccgctagt tggctcttgg 120
ccctgtgata gggccctggg ctaacttatt gggaaaatgt tgctgtaacc cctgcccaga 180
ggtgcctgtg acatgggcyg ccatcttctc ctcttccctt ggcttcagcc ccacctagaa 240
acctgaacaa acattttcct tgacatttca taaagtgtca gtggctcctc atttagcaaa 300
atacatccca gggaagttca aaagtgaaaa aaggccgtaa cttcttcttc ttctcaggga 360
cctacagaaa atatgtggca cctcggcagc ctggcc 396

<210> 428
<211> 396
<212> DNA
<213> Homo sapiens

<400> 428
catggatttt gttttccaag tggcaagatg gcgcctccac ctttggtatc ctattttagt 60

tcctggcaga aagaaaggaa caggctaatg gccctgatga gtctaccccc ttttaacagg 120
agaaaattta aaaaacaaaa accatgaaac cctttcccag aggcaacaac cagaattcca 180
tttatctttc attgaccara acagaccaca tggtcactgg tggtggcaat ggagactggg 240
gagatgaata tttttaaggt ggcatattcc agaagaacac tgtgcactga ttgcattaat 300
gaacccatta atgtgccaag gggaggttta cctatgagca tgggcaaatt agaacccact 360
cttggagctg caggtgagcc aatcccacct aaacag 396

<210> 429
<211> 396
<212> DNA
<213> Homo sapiens

<400> 429
tggtggtggc aatggagact ggggagatga atatttttaa ggtggcatat tccagaagaa 60
cactgtgcac tgattgcatt aatgaaccca ttaatgtgcc aaggggaggt ttacctatga 120
gcatgggcaa attagaaccc actcttggag ctgcaggtga gccaatccca cctaaacagt 180
gtggatgcta caagatggrg aagtaaattg attctattcc ataccctaac ctctctccaa 240
gatgtattct taaaatagaa gagggaagac agaagaaaac atccagaata tatttttatt 300
gtcttttact tcttcagtgc attttagatc agtgcttctc aatctggcaa ggggcatgca 360
ggaggatgtg agttttatca ggaaaactac acaacc 396

<210> 430
<211> 396
<212> DNA
<213> Homo sapiens

<400> 430
tgagccaatc ccacctaaac agtgtggatg ctacaagatg gggaagtaaa ttgattctat 60
tccataccct aacctctctc caagatgtat tcttaaaata gaagagggaa gacagaagaa 120
aacatccaga atatattttt attgtctttt acttcttcag tgcattttag atcagtgctt 180
ctcaatctgg caaggggcrt gcaggaggat gtgagtttta tcaggaaaac tacacaaccc 240
cccaaccaca atgctacccc cactcctgtg gaccttcttt aagagagact cactattata 300
gatggagttg atacgatttt aagagaggcc atatattatt tgctttctgt cttgaaaaac 360
ttgtgatttt tctgtattgt gctactgcca aagaga 396

<210> 431
<211> 396
<212> DNA
<213> Homo sapiens

<400> 431
gggttgcagt gagcagagat cacaccattg cactccagcc tgggtggcag agcgagattc 60
tgtctaaaaa acaacaccgt atttggggca tgctgatact aaaaaattat tcattgtttg 120
tctgaaatta aaatttaaat tgggggccct gtattttact gggcaaccca tttgcaatat 180
cagcaacaat ctcttattsa gaccactgat taagtgtgca aaatttgaat ctctgaacag 240
tacctatgtc cttgatatct taaattaatg agtgtcttag acactcaaag caggaggaag 300
cattatggca gatgtttgag ccccagagat gtccatgagc acagcataga gctcagagcc 360
ttctttatta tttgcttcac gacagagcaa aggact 396

<210> 432
<211> 396
<212> DNA
<213> Homo sapiens

<400> 432
catttgcaat atcagcaaca atctcttatt cagaccactg attaagtgtg caaaatttga 60
atctctgaac agtacctatg tccttgatat cttaaattaa tgagtgtctt agacactcaa 120
agcaggagga agcattatgg cagatgtttg agccccagag atgtccatga gcacagcata 180
gagctcagag ccttctttrt tatttgcttc acgacagagc aaaggactgc agcaggttga 240
ctgatataaa agttttacca tgtctcacag caggcctttg ctcaagtttc cagtaaggat 300
attgtatcat ttcttgcctg cagtacttgt aaatccactt acactgcctg ctgttgagtc 360
atttgtttcg tcttgagtag catgtcatcc ttgttc 396

<210> 433
<211> 396
<212> DNA
<213> Homo sapiens

<400> 433
ttgcagttct cattgctggg gagtctaaac tggaataaaa cacccactat ctccatcagg 60
cttgcactag agcccagctc tagctggaga gaaagaagct aacccgcaca gacacaggac 120
tgtaggcagg gagcatccgg gggtatttgg gtcctggctc tgatgtgcct aaggccaact 180
tctctctggc catgctggyg tgcatgagct cactaatctt ccttttgcc ttccattttc 240
tccaatcctg acttagcaaa ggttgggcaa aagagactct gtgtgagttc gagcaaagcc 300
tgagatgctg gattttccaa gatacgagaa ggggctgggg gctgggtgaa ctggtggtgg 360
aggagggaag gattaatttc ccaaggaggg gaaggg 396

<210> 434
<211> 396
<212> DNA
<213> Homo sapiens

<400> 434
gagaaagaag ctaacccgca cagacacagg actgtaggca gggagcatcc gggggtattt 60
gggtcctggc tctgatgtgc ctaaggccaa cttctctctg gccatgctgg cgtgcatgag 120
ctcactaatc ttccttttg ccttccattt tctccaatcc tgacttagca aaggttgggc 180
aaaagagact ctgtgtgart tcgagcaaag cctgagatgc tggattttcc aagatacgag 240
aaggggctgg gggctgggtg aactggtggt ggaggaggga aggattaatt tcccaaggag 300
gggaaggggc caggacatca ggccccgggg actttgaaga gagggtcgtg ggtaggaggt 360
agatcaagtg gagtgacaca aaggtcagga aagagg 396

<210> 435
<211> 396
<212> DNA
<213> Homo sapiens

<400> 435
catgcctcct acaaatttga cctgggccca gggccatgtt cggtggtttt taagaaccga 60
ggctcccaga agcagtattg ggcagctaga gtggccccag gatctatatc aaactctacc 120
tgtttctgaa ccaaatttct tctagaattt tattccataa atctgaatta tggtgtcaga 180
ctcctagcat acactaaakg aactctctgc cttgcattaa ataacaggag ttacccctgg 240
aggtaactcc tagccctggc tctttagaga acagatgccg aataggcatt aggggatgtg 300
atggatgtgc taactttcaa aaaaaaaaaa aaaaaaaggc ctgagctgag tgctcagaga 360
ttcacaaaaa gctgacagca tctctctgtt ccattg 396

<210> 436
<211> 396
<212> DNA
<213> Homo sapiens

<400> 436
ctttggagcc tggcagcctg gctttgagaa ccgggcttta acttgtcaca tgactatggc 60
caagttcctg gggctctcca agcttcactt cctctgtaaa aagggcaata atataatacc 120
tgtcttattg ggttttgtcc atgttagatg agacattggg tacaaagcac ttggtcccgt 180
gcctggcaca tttactgcrc ttaatgtatg atagttttct tattattcta ataaacaata 240
tggctttggg agtatagttc tgccacattg cagtggccag agtgaaggtg gtgagtgcct 300
tctggggccc tgggagtcaa ggttatccgc atgccctttc ttgcttgctc ctcagtgtgg 360
ctgcctctat gtccacacca tgcagatgca acaggt 396

<210> 437
<211> 396
<212> DNA
<213> Homo sapiens

<400> 437
acatgatcat ccccttgggc ttctggtttt ttttctttca ggaccttatt ttcaggcaag 60

tggcctttga cctctaaggc tgtcctttcc tagctaccga atccagcatt caaagtgatg 120
gaaatatgta tatatagtaa tagtaaaata tcagcactta atggcctgat aagaatgtca 180
ctgcaatgct gagtttggrc caacatttgc ctgctcctgc cattgagccc gggctcccct 240
ccagagctga gctgctgcaa gggatctgag taactagggc tgtgtcagag tggcgatgac 300
agccaccaca tgctaaggaa gagatcccca aggacaagga gaatcccacg tggagctact 360
tgcttctttg tcagtcttgt ttttcttatt tcacaa 396

<210> 438
<211> 396
<212> DNA
<213> Homo sapiens

<400> 438
ccgaatccag cattcaaagt gatggaaata tgtatatata gtaatagtaa aatatcagca 60
cttaatggcc tgataagaat gtcactgcaa tgctgagttt ggaccaacat ttgcctgctc 120
ctgccattga gcccgggctc ccctccagag ctgagctgct gcaagggatc tgagtaacta 180
gggctgtgtc agagtggcra tgacagccac cacatgctaa ggaagagatc cccaaggaca 240
aggagaatcc cacgtggagc tacttgcttc tttgtcagtc ttgtttttct tatttcacaa 300
ccttctaaaa cacaatctct caacctctat tgttagcttg cattttcaa tcatgagcac 360
agctttacct ggctccatgc tttgattgac tctacc 396

<210> 439
<211> 396
<212> DNA
<213> Homo sapiens

<400> 439
tcttatttca caaccttcta aaacacaatc tctcaacctc tattgttagc ttgcattttt 60
caatcatgag cacagcttta cctggctcca tgctttgatt gactctacct gccaacactg 120
caacaacagg gaaagggaca ccggcctcat accattagat ggtgtgtagc ctgggcatga 180
ggataattaa aaactcccwa ggggatttta acatgtaaca cagtttggaa accattgatg 240
taagatcttc ttactcaaca tgtgctccaa ggagctgttg tatcagctta tcagaaatgt 300
agatcaggcc gcacttggac ctgtagaatc agaatctgca ttttatcaga ttccgacatt 360
atttgtatga acattagctt ttgagaagtg ttgctt 396

<210> 440
<211> 396
<212> DNA
<213> Homo sapiens

<400> 440
cttttgacac caactacaag tcaaggggtt ccccaaacca ccctgagttg tgataattcg 60
ctgggagatc tgacagaact cactgaaggt tgttatactc atggttgtga tctcttatag 120
ggagggaata cagattaaaa tcagccaaag gaagaagcac acagcacaga gtccaggaca 180
gtgcctgaca tggagcccyt acggtcctct cccgtggagt cacggacagc gccactctcc 240
tggcattgat gtgtgacaac acacagggag tgttccccac cagggaagcc ttggtgtcca 300
gggtctttac tgtggctctg tcacatgagc acagctgact gcccatgcgg ccgatctgtt 360
cccagactct ccaccgctac acatcactca cagtcc 396

<210> 441
<211> 396
<212> DNA
<213> Homo sapiens

<400> 441
gtggctcaca gaactcaggg aaacacagct accagtttat tgcgaaggac attttaaagg 60
ataaaagtag gcagataaag agatgcatag ggcgaggtgt ggaaaggtcc ctagtgcagg 120
agcttctgtc catgtggagc gggggtgcac caccctctca gtacatgaat gagttctcct 180
tcacctgcct atcagcctyt acatgttcag ctccccaacc cagtcctctt gggtttttat 240
ggaagcttca agacacccac attctttccc cagagtatag ggcaagacct tctctgggga 300
gggttttaag acccacagtc agaaaggtgg ggtggggtca agattagagt cctgccttga 360
cgggcaggtg aaaggggtag ggggagtagg tgagaa 396

<210> 442
<211> 396
<212> DNA
<213> Homo sapiens

<400> 442
cgggggtgca ccaccctctc agtacatgaa tgagttctcc ttcacctgcc tatcagcctc 60
tacatgttca gctccccaac ccagtcctct tgggttttta tggaagcttc aagacaccca 120
cattctttcc ccagagtata gggcaagacc ttctctgggg agggttttaa gacccacagt 180
cagaaaggtg gggtggggkc aagattagag tcctgccttg acgggcaggt gaaaggggta 240
gggggagtag gtgagaaaaa ttctgtttat tttttctttt ttttttgag acggagtttc 300
actcttgttg cccagggtgg agtgcaatgg cacaatctca gctcactgca acctccgcct 360
cccaggttta agcgattctc ctgcctcagc ctcccg 396

<210> 443
<211> 396
<212> DNA
<213> Homo sapiens

<400> 443
atgagttctc cttcacctgc ctatcagcct ctacatgttc agctccccaa cccagtcctc 60
ttgggttttt atggaagctt caagacaccc acattctttc cccagagtat agggcaagac 120
cttctctggg gagggtttta agacccacag tcagaaaggt ggggtggggt caagattaga 180
gtcctgcctt gacgggcarg tgaaaggggt agggggagta ggtgagaaaa attctgttta 240
ttttttcttt ttttttttga gacggagttt cactcttgtt gcccagggtg gagtgcaatg 300
gcacaatctc agctcactgc aacctccgcc tcccaggttt aagcgattct cctgcctcag 360
cctcccgagt agctgggatt acaggcgtgt gccacc 396

<210> 444
<211> 396
<212> DNA
<213> Homo sapiens

<400> 444
tcttcattcc acaaagctca gtgtcaaaac atggggttta cactggaagc tgaggtcaca 60
tcagtagccg ggatcagggt cgccctagct gcccaatgca gctcccaggc ctcctgtaaa 120
accttgacct ttgaggtcat gacagccctc tcctgctatg ctcatagctg accactgaac 180
tcctggacac tccctcccsc aagttcacag agaatgtggg cacatgcctt acagtcttcc 240
cttgatccaa actactgcct tcatcttgag tgacagcagc atcttttgga tgtcttggcc 300
tgtctagctt tatttttttg tgttctgcca tcaagttgct acttctgttg ccatcgtgcc 360
tgtcagcgca gtgcaggctg tggtgaaatc ccacga 396

<210> 445
<211> 396
<212> DNA
<213> Homo sapiens

<400> 445
tatttttttg tgttctgcca tcaagttgct acttctgttg ccatcgtgcc tgtcagcgca 60
gtgcaggctg tggtgaaatc ccacgaactc aggcatcaca ctgaccgggt ctgagtcctg 120
tctcagttgt cagctagttg tgcaatgaag ggaaagggac ctacactttc caagcctcaa 180
ttcactcatc tatggcatkg tgacaataat ggaggttgat ttaaagtcct ttgtaagaat 240
taagagttat aatagacata aagtgctgta tctggtatac ctagaaaaca ttccataaaa 300
gttagtaatt gttggtcatg taatgatgac tctctaggct aggatttcag cttcattgca 360
tgcacatggt gcactcacag ggcgtgacct ctctct 396

<210> 446
<211> 396
<212> DNA
<213> Homo sapiens

<400> 446
ggtataccta gaaaacattc cataaaagtt agtaattgtt ggtcatgtaa tgatgactct 60

ctaggctagg atttcagctt cattgcatgc acatggtgca ctcacagggc gtgacctctc 120
tctgtctcag taacctcatc tgaggaccgg gataatcata ccgcttcaaa gggatgtcat 180
aaagattaaa taatatgtrt aaggctgctt gcatttagct gcattcaaca aatatttctg 240
tatctttctc ctcatttctc cttacttttct tgcttattat ctgctctagg tatagatttc 300
agagaactaa gcttgttaca atccttcata aaataaccag gttggttagg gcatttccaa 360
gagtcaatac tgtttagtga ctattctctg tttaat 396

<210> 447
<211> 396
<212> DNA
<213> Homo sapiens

<400> 447
aaggctgctt gcatttagct gcattcaaca aatatttctg tatctttctc ctcatttctc 60
cttactttct tgcttattat ctgctctagg tatagatttc agagaactaa gcttgttaca 120
atccttcata aaataaccag gttggttagg gcatttccaa gagtcaatac tgtttagtga 180
ctattctctg tttaatctmt tttgattgtc cagggtcatc ttttgctatg tcataggttg 240
ttggcttctt ctagagaagt gagacgatgg acaagttcca agtgagtgag gcgactggtc 300
aggatattcc gctgaaaaac tcatgtcagt tctaattcgt gattgtaatt caatcacagc 360
ctgagaacag taggactgta gttcaaatgc tctgtt 396

<210> 448
<211> 396
<212> DNA
<213> Homo sapiens

<400> 448
cctgggttca agcaattctc ctgcctcagc ctcccaagta gctgggacta caggcacatg 60
ccaccacgcc cagataattt tcgtattttt agtagagacg gggtttcccc ttgttggcca 120
gggtggtctt gatctcttga cctcatgatc cgcccacctc ggcctcccaa agtgctggga 180
ttacaggcgt gagccaccrc gcccggcctc tagaggataa tttttaaatg tgcttttgca 240
tttggaaaat gtgattggca ttttttttcta attttctaat atgatacgct gtcggatgct 300
atggattact taaaccctct ggctacctag aaagatcttt aagtggttct caacaagctt 360
catacgcaat gtaaattgta ttatctctca ggatgt 396

<210> 449
<211> 396
<212> DNA
<213> Homo sapiens

<400> 449
tgtgattggc attttttttct aattttctaa tatgatacgc tgtcggatgc tatggattac 60
ttaaaccctc tggctaccta gaaagatctt taagtggttc tcaacaagct tcatacgcaa 120
tgtaaattgt attatctctc aggatgtgtg agaacatctg tttttcttct aatgcagtaa 180
acatataagg gtctcttgrg atatctttta aatagactta atacaacatt caggaatgat 240
aacaaaatat aatcacagtt gtaagggaat gtgagcattt catattaata acattggaac 300
cttatgttta atacagtgtt aaaagttgac aaacatgtag gagtcagaaa attcaattaa 360
aattatcaca gtaatatgaa tttagccaca tcctgt 396

<210> 450
<211> 396
<212> DNA
<213> Homo sapiens

<400> 450
acttaaaccc tctggctacc tagaaagatc tttaagtggt tctcaacaag cttcatacgc 60
aatgtaaatt gtattatctc tcaggatgtg tgagaacatc tgtttttctt ctaatgcagt 120
aaacatataa gggtctcttg ggatatcttt taaatagact taatacaaca ttcaggaatg 180
ataacaaaat ataatcacrg ttgtaaggga atgtgagcat ttcatattaa taacattgga 240
accttatgtt taatacagtg ttaaaagttg acaaacatgt aggagtcaga aaattcaatt 300
aaaattatca cagtaatatg aatttagcca catcctgtgt tagttatgaa atccatttaa 360
caccacaaac agtaatattt ttagccagtt tattca 396

<210> 451
<211> 396
<212> DNA
<213> Homo sapiens

<400> 451
catttaacac cacaaacagt aatattttta gccagtttat tcaaaaggaa aacaggaact 60
aaaccacttt catgcaatat atactctgtt aatgtggtca ggctaatttt gctgggggaa 120
ggaacttaac ttttgaatat ttgaatgccc agtcatttaa tctgaatatc ctatttcctt 180
gcatgttgca aaatttttkt caataaaagg cagaaaaaga aatctcttct ccatgctcat 240
ccctaagaga atgggttgtc tgtaccctga gagcatttta tggaggggac aaccactttt 300
ctaattttcc ttcccacttc tctgtgggca caaatgctct ttggttgaaa gagttgtaat 360
tcagtcccaa gatgaggtgt ggttactgca tcccta 396

<210> 452
<211> 396
<212> DNA
<213> Homo sapiens

<400> 452
tcaatccatg ctccacactg cagccagagt gctctacaat gcaaatccat ttgtgagact 60
cctcctctta aaatcctcaa gtggcttctc tttgccccca ggatcatttt gaaactcctt 120
aatggaagag gcatggccct ttgggatgtg gttccccaac ccctcccaca tcatcttttc 180
aatcagattt cccactaart ggaaattttt tcaggtcctc aactttatgg tgactttctc 240
ttgctcagga tctttgaaca tactgtttct tctttccttt tgtatttgcc aagacaacac 300
ttcctctggt aagattttcc tgacatcctc tataaaaaaa gattgagata gttgactacc 360
caaaatgttt cccattcatt ccaagctcta ttcaag 396

<210> 453
<211> 396
<212> DNA
<213> Homo sapiens

<400> 453
aacacttcct ctggtaagat tttcctgaca tcctctataa aaaaagattg agatagttga 60
ctacccaaaa tgtttcccat tcattccaag ctctattcaa ggcagtaaag tgcccggctg 120
acagattgca ttcctcatct tttctgaagc tagcaatggc catgcaacag cattctggcc 180
aataagatag aagtcgaart tgaagggtgg gatttccaag aaagctcgtt gaagacataa 240
ttcctcattt cacttcttac tctttctctt tcctgcttcc taaaatgcgg tgcagatggc 300
agacacttca aagctgtctc aggcaatcag gtgatgttaa ggcagaaacc agctttatga 360
tgggtagaac aggaagaaag aaggcaccta tgttct 396

<210> 454
<211> 396
<212> DNA
<213> Homo sapiens

<400> 454
cctacaaatc tcatgttgac attttatccc taatattgga ggcagggcct agtaggaggt 60
gttttggtca tagtgataaa tggcttggtg ccgttctcac agtaacgagt gagtttttat 120
tctagtggtt cctgcaagaa ctgattgtta aaagagcttg gatccttcca ccctctctc 180
actcttgctt cctctctcwc accttgtaat ctctacaagc tcttcacctc cccttctcct 240
tttgccataa gtggaagatt tctgaggcct caccagaagc agatgttggt tccatgcttc 300
ttgtacagcc tgcagaacca tgagccaaat caacttcttt tctttataat tatccagtct 360
caggtattcc tttatagcaa cacaaatgga ctaaga 396

<210> 455
<211> 396
<212> DNA
<213> Homo sapiens

<400> 455
gttgtttcca gctttgaact attttgaatc ctaaaagact gccagttttg aatgagaccc 60

cagaacaatg aatgtaggct ctgtatacaa gttcaggctg ctgggcaact taggccttaa 120
gacacaactc tgccacttag gccttaagac acaactgaca tgatggtgct taaagtggct 180
gtgatggaaa aggaggctrt ttggagcctt tggagtgcct ttataggtga accccagcat 240
agcacctaat gatttggagc aaagctgtgt cattccccaa agataactat tcgccttttg 300
agaaacatct tctagctact atcaataata aacacagaat gcatcaccat gggccaccgt 360
gttgtctttt gacctgagtt tccattgtga acaaga 396

<210> 456
<211> 396
<212> DNA
<213> Homo sapiens

<400> 456
aactctgcca cttaggcctt aagacacaac tgacatgatg gtgcttaaag tggctgtgat 60
ggaaaaggag gctgtttgga gcctttggag tgcctttata ggtgaacccc agcatagcac 120
ctaatgattt ggagcaaagc tgtgtcattc cccaaagata actattcgcc ttttgagaaa 180
catcttctag ctactatcra taataaacac agaatgcatc accatgggcc accgtgttgt 240
cttttgacct gagtttccat tgtgaacaag agtcatttga tccaaggcag aaagttgggt 300
gcacacagca gtgttccatc atcaaatgga atatgagatt gggcccaagt aggtcctgca 360
gacacaaata agttgcaaga gcaagtagta caggcg 396

<210> 457
<211> 396
<212> DNA
<213> Homo sapiens

<400> 457
gaaaaggagg ctgtttggag cctttggagt gcctttatag gtgaacccca gcatagcacc 60
taatgatttg gagcaaagct gtgtcattcc ccaaagataa ctattcgcct tttgagaaac 120
atcttctagc tactatcaat aataaacaca gaatgcatca ccatgggcca ccgtgttgtc 180
ttttgacctg agtttccayt gtgaacaaga gtcatttgat ccaaggcaga aagttgggtg 240
cacacagcag tgttccatca tcaaatggaa tatgagattg ggcccaagta ggtcctgcag 300
acacaaataa gttgcaagag caagtagtac aggcgcttgg cctggccagt actgttgcca 360
agttgactgc ttcccctcag tctgcatctg tggctt 396

<210> 458
<211> 396
<212> DNA
<213> Homo sapiens

<400> 458
ccccaaagat aactattcgc cttttgagaa acatcttcta gctactatca ataataaaca 60
cagaatgcat caccatgggc caccgtgttg tcttttgacc tgagtttcca ttgtgaacaa 120
gagtcatttg atccaaggca gaaagttggg tgcacacagc agtgttccat catcaaatgg 180
aatatgagat tgggcccarg taggtcctgc agacacaaat aagttgcaag agcaagtagt 240
acaggcgctt ggcctggcca gtactgttgc caagttgact gcttcccctc agtctgcatc 300
tgtggcttca tggggagttt cctatgacca cttgatggag gaaaaaacaa attggagcat 360
agtttatagt gctggtacta cccaaagtgg ctagct 396

<210> 459
<211> 396
<212> DNA
<213> Homo sapiens

<400> 459
gtccgtgagt tacagatcta cacaaaatca cagagagtgg ttaatcgttt agtctgatgg 60
tcagggactt ccaagagaca tgattagaaa actggtgaca aggagtcctg gggaagaggc 120
atatggatac ctctgaacac acacaaaaca tgagaatatg tatcccatat gaatgttaac 180
caaagagcag ccacaacasa agaggatttt aaaatcagct gaataagatg attcattctg 240
acagcatcag ctagtctctt tccccagcca ctgttgccca gtgggcttac atatatcatg 300
gccatggggg cagggctatg tatggacaca gcaacatgaa tttccactca tcaaggccaa 360
tttggctcca gccattgctg agtgctcagc ctgcca 396

<210> 460
<211> 396
<212> DNA
<213> Homo sapiens

<400> 460
acatgattag aaaactggtg acaaggagtc ctggggaaga ggcatatgga tacctctgaa 60
cacacacaaa acatgagaat atgtatccca tatgaatgtt aaccaaagag cagccacaac 120
agaagaggat tttaaaatca gctgaataag atgattcatt ctgacagcat cagctagtct 180
ctttccccag ccactgttrc ccagtgggct tacatatatc atggccatgg gggcagggct 240
atgtatggac acagcaacat gaatttccac tcatcaaggc caatttggct ccagccattg 300
ctgagtgctc agcctgccaa gatagaaatc tacgccaata tggcaccatt ccctgggcta 360
gaaaaccaac tggtggaagg ttgattacat tggacc 396

<210> 461
<211> 396
<212> DNA
<213> Homo sapiens

<400> 461
gggaatacaa tggtggttcc actaaactga cagctgagtt tgccatctcc tcgtgccagt 60
gaatacacaa gcaaggaagg gggttccttt ctcacctagg gtgactgatc ctaattacca 120
aggagaaatt ggactgccac ttcacaatga gggtgaggag tatgtactct atgtgtctgt 180
gattaatgtc aatagaaart gacaccaacc tagtacacag aggactgatc atggtccagg 240
cccttcagga atgaagattt gagtcaccag gcaaggaact tggactcact gaggagggca 300
tattccaagg agaatatttt atctatgtcc atctatgtcc atctatattc catctgtgtt 360
ccccttggaa ttcctattca tgaacatggg gaattc 396

<210> 462
<211> 396
<212> DNA
<213> Homo sapiens

<400> 462
tatagaatga gtagtggaag gtagttataa atgtaagtca aaaaccacac aaccaatttg 60
agaaatgagg aaggtaatag tgttgaatat gtcttcttta tcttgatata aatgtatttg 120
tgcatatatt aaccagttta tttatttatt attatttttt gagatgagct ctcgccatgt 180
tgcccaggct ggtcttgamc tcctgggctc aactgattct accatttagt cctccgagta 240
gctgggacta caggcatgca ccaccatacc cagctgacca gtttttttcct attcctctac 300
ttaatttctc tactatacaa cataatatgt gttaatggta gttaacttta tatctcagta 360
ttaagtcaca agatatcaaa aagggaatgc gactta 396

<210> 463
<211> 396
<212> DNA
<213> Homo sapiens

<400> 463
atgtcttctt tatcttgata taaatgtatt tgtgcatata ttaaccagtt tatttattta 60
ttattatttt ttgagatgag ctctcgccat gttgcccagg ctggtcttga actcctgggc 120
tcaactgatt ctaccattta gtcctccgag tagctgggac tacaggcatg caccaccata 180
cccagctgac cagtttttyc ctattcctct acttaatttc tctactatac aacataatat 240
gtgttaatgg tagttaactt tatatctcag tattaagtca caagatatca aaaagggaat 300
gcgacttagt tacaagcaga atgaatatca ctcaaagatg aataaagaga agagggttag 360
tgcattttct gttggatgag agaaagtttc attgtt 396

<210> 464
<211> 396
<212> DNA
<213> Homo sapiens

<400> 464
gcagtggcgt gatcccagct cactgcaatc tctgcctcct gggttcaagt gattctcctg 60

cctcagcctc ccgaggggct gggattgtag gcgtgcacca ctatgcccat ctaatttttg 120
tatttttagt agagataggg ttttgccatt ttggccagac tgtcttgaac tcctgacctc 180
aggtgatctg cctgcctcrg cctcccacag ttttgtgatt ataggcatga gccaccgtgc 240
ccggccttaa cctttgtttt cttacacaac acactacgtg atgttttcca catgcatggg 300
tcatttgctt catttacgta caaatgcata agcaatatac tgtgtggtgt gagtttgtga 360
tgggaaaagg aagaagtttt gcggatacta cactgg 396

<210> 465
<211> 396
<212> DNA
<213> Homo sapiens

<400> 465
gcccaggctg ttctccaact cctggactca agccatcctc tagcctcggc cttccaaagt 60
gctgggacta taggcgtgag ccacggtgcc aggcccttga ccacattttt aacccctctg 120
aacctcagtt tcactttctg ggcaatggga ggggggtaat ttgtccctca gagggttgca 180
ctgaggggca aatgtgagsc tctgggtaca atgcccagta cagactaggt ccccacgaca 240
cagccgctca gcggctccgg attctgggct gctctggact gcggccaggc ggtcttctgc 300
gggaatccgg gcaggcaggg cgggctgcgc tcccctcccc ggctctcccg gtgccccttg 360
tctttttgtt ctgtctcagc agctctctat taagat 396

<210> 466
<211> 396
<212> DNA
<213> Homo sapiens

<400> 466
tttttgttct gtctcagcag ctctctatta agatgaatgg catttccaaa ggcttcacct 60
ctgataagtg ttcctctgca gctgcagcca gaatcttaat gtgcgcgctg taatttaatg 120
gccgtctcgg ctattaacac gctcttctcg ggtgaagtgg actccctcca tccccgggcc 180
tctgcacgtg ctctgcgcrc tggctggggg tgactccaag gagctcagag cggggtgccc 240
ggcacctctc gccaggcgcc tttcgacctt ctaaagcgcg aatggctgga cttttctccc 300
atgtgtgggg ccccagaagg tgtggggccc cagaaggtgt ggggtccctg cgttccacgg 360
agcccggaag gtttccagtg atggtggggg ctgacc 396

<210> 467
<211> 396
<212> DNA
<213> Homo sapiens

<400> 467
ggagcccgga aggtttccag tgatggtggg ggctgaccac gttggtcccc gtgggtgctg 60
ttttcatgtg ccggcagatt gggatgagtt taaaagacag aagcgtgtag gatagagaaa 120
cttctttaaa aactggaaat tttaatctgg ggattataac tattggacag tcaagtgcaa 180
gagtgaatac acttctcast ccctcctccc aatttttatt tgcgggatta gtcagtcccc 240
ctctgccaca tgataattgt gagaactacc agggtcttca ttctcctgcc atctggttga 300
cctctccaag aatggacacc cgggcagcct gggccaatga ggctgtccta agagtttaga 360
tgagagaagt cagtctttga caggtgatgg aagctg 396

<210> 468
<211> 396
<212> DNA
<213> Homo sapiens

<400> 468
cagtgatggt gggggctgac cacgttggtc cccgtgggtg ctgttttcat gtgccggcag 60
attgggatga gtttaaaaga cagaagcgtg taggatagag aaacttcttt aaaaactgga 120
aattttaatc tggggattat aactattgga cagtcaagtg caagagtgaa tacacttctc 180
actccctcct cccaatttyt atttgcggga ttagtcagtc cccctctgcc acatgataat 240
tgtgagaact accagggtct tcattctcct gccatctggt tgacctctcc aagaatggac 300
acccgggcag cctgggccaa tgaggctgtc ctaagagttt agatgagaga agtcagtctt 360
tgacaggtga tggaagctgt aaaatgtaaa actcca 396

<210> 469
<211> 396
<212> DNA
<213> Homo sapiens

<400> 469
taagagaagc tgagagagag cgagaggaga gattggaaga aagacagaga cagaggtaga 60
gagaagggaa agagagagag aaagggacag aagagagaga aaaaagaggg ggccgggcgc 120
ggtggctcac gcctgtaatc tcagcacttt gggaggccga ggcgggcaga tcacgaggtc 180
aggagatcga gaccatccyg gctaacacgg tgaaaccccc gtctctacta aaaaatataa 240
aaaaaattag ccaggcgtgg tggtgggtgc ctgtagtccc agctactgag gaggctgaga 300
caggagaatg gcgtgaaccc gggaggcaga gcttgcagtg agctgagatc gcgccactgc 360
actccagcct gggcaacaga gcaagactcc gtctca 396

<210> 470
<211> 396
<212> DNA
<213> Homo sapiens

<400> 470
tccaccagca gcttttctga gtctccagct tgcagatggc aaaccatgaa acttcatggt 60
gtccatgagc atgtgaacca atttctatta taaatctgca atatatatat atgaggagac 120
ttatttatat attggttcag tttctctgga gagccttggc taatataaag tctatactct 180
acaaagtgcc ctaggtackc agggagtacc caagtgtgtc atgaccagcc cgacagccct 240
ggctgctggc ttccccgcac acaactctgc acgctgcctt catcagcctt tctctctcag 300
ctgaaccgag ggcattgaag cgggcctctg gcactgtacc tatgagggag caatatcttc 360
ccctacactg acctcttccg tgccgagatg cagccc 396

<210> 471
<211> 396
<212> DNA
<213> Homo sapiens

<400> 471
gcctctggca ctgtacctat gagggagcaa tatcttcccc tacactgacc tcttccgtgc 60
cgagatgcag ccctccctgc tgccactagt tacagtggtc catgttccct ttcaaagtga 120
agttttgata aaagcacctc ttaaccaatg ccaaatagct aagtctggga caaagattgc 180
aggtattttg cattttccwt gtaacctcag agggattgcc attcacactg atctgagctg 240
cagaatacca ggcagccacc tcacccaccc agcaggtcca ctcttatact ttctcagaaa 300
gcacagccac tctactctta ttcagttgaa aagaatttcc aggaaggtgt ttctgcgatt 360
gcctcagaaa agtcagttcc ctttgggaat ttccct 396

<210> 472
<211> 396
<212> DNA
<213> Homo sapiens

<400> 472
tacttttctc tgaagaaatg gagatatcag ctgtccctcc ccactgccat ttattccttc 60
cttcattcaa accttatgtg gctgctactt accgtgtgtt aagtgttcac tttttttctt 120
ggaattcaaa aaaagaagga cagtatttgg ggcacagatc ttttggtgtt ctatacattt 180
ttttaaagtt tcattttaya tttgtgtgtg cgtgtgtgtg tgtgtgtgag acagtcttgc 240
tctgttgccc aggctggagt gcagtggcat aatcattggc tcactgtagc ctcaaagtcc 300
tgggcccaag caatcttccc acctcagcca cccaaaatgc tggggttaca ggtttatgcc 360
actctgtctg acctgaaagt tttgggttta ctttcc 396

<210> 473
<211> 396
<212> DNA
<213> Homo sapiens

<400> 473
gcataatcat tggctcactg tagcctcaaa gtcctgggcc caagcaatct tcccacctca 60

gccacccaaa atgctggggt tacaggttta tgccactctg tctgacctga aagttttggg 120
tttactttcc cttctttctc tttgctgaag tcagagatga tggcagcttc cagattctct 180
ggtgcctgtg ctgggctcrt gctggtcatg gtcttgggtc caggattcat tctggagact 240
ctcagggaag tttcccatga caaggaaatg taggagagtg tgctggcttt gcgtgctcct 300
ctgccaagcc ctgcttctcc tggtgggaca cactgaacca cagccagggc attttggtgg 360
ttagttaaaa aaaaaaaaaa aaaaaaaaaa aggaag 396

<210> 474
<211> 396
<212> DNA
<213> Homo sapiens

<400> 474
cttcagaaat tgtaatgatg aaagagtgca agctctcact tccccttcct gtacagggca 60
ggttgtgcag ctggaggcag agcagtcctc tctggggagc ctgaagcaaa catggatcaa 120
gaaactgtag gcaatgttgt cctgttggcc atcgtcaccc tcatcagcgt ggtccagaat 180
ggtaaggaaa gcccttcamt cagggaagaa cagaagggga gattttcttt gatggttgtt 240
tggaagtcag gcttaaacaa ttgtgtctgt gtgtgcgcat gcacaaacac ttttacctta 300
tctttatttt cttctttta tttgaatgta tagggttgtg tgtatttctg tgtaaatttg 360
gggttttcct cctcttagtc tttcactttt gtggtg 396

<210> 475
<211> 396
<212> DNA
<213> Homo sapiens

<400> 475
ttttctaaca tctgcagtgc aattgaagtt accagtcatc tgcagtctaa aaagaaagtg 60
attttgggag gtgcgtagaa aaaatcatct tattattttt cctctatatt actttttctc 120
ttttttctcc tgaagaaact ttttttttg gtgatacctt ctttttctct agcacgtata 180
attttggaag cattttcrt atgcagtgta tacttcagaa agagagagag agagaggaaa 240
attgtcctgt tcagcgtttg catttccatt attcctgcta ttagttaaaa acaacaacaa 300
caacaaaaaa caagcaggat acctagatct ggaaaagga gaattgtgta gagctgtctt 360
cctaaagttc tgagttaggg ctgcctcaga ccactt 396

<210> 476
<211> 396
<212> DNA
<213> Homo sapiens

<400> 476
ttttggaagc atttttcata tgcagtgtat acttcagaaa gagagagaga gagaggaaaa 60
ttgtcctgtt cagcgtttgc atttccatta ttcctgctat tagttaaaaa caacaacaac 120
aacaaaaaac aagcaggata cctagatctg gaaaagggag aattgtgtag agctgtcttc 180
ctaaagttct gagttaggrc tgcctcagac cactttcata actatctcca gtggctttgt 240
gttttatatt tattaagata gagaaaaaaa gagtaattac taagggcagc tgctgtagct 300
ttatggtgat tactgaacat tgacatgctg tcacgttttt ggaactttga gtatttaatc 360
actttgggat attctatttt cccccatctt gagtgt 396

<210> 477
<211> 396
<212> DNA
<213> Homo sapiens

<400> 477
ggaactttga gtatttaatc actttgggat attctatttt cccccatctt gagtgtggac 60
agatgctggt gatgtagcct tctgggcaca gagcaagcct ccccctcagc ctctgcacca 120
gaaaggctca gcttcacaca ctccaagtat gttttctaca agaactacac tttgtggctt 180
tctgacccaa acatttttrt actaaattac acacaacaaa gttgtagctc agagagggaa 240
caaatggctt atttaggcca ccattttctt gagccattat gatttcacac agggctccct 300
tggccctgta aattggcaag gattccatta ttcaacccgc atacatgtac agagaccctg 360
ctctggccca gatagtattc tgggtacagg cggata 396

<210> 478
<211> 396
<212> DNA
<213> Homo sapiens

<400> 478
tgtggacaga tgctggtgat gtagccttct gggcacagag caagcctccc cctcagcctc 60
tgcaccagaa aggctcagct tcacacactc caagtatgtt ttctacaaga actacacttt 120
gtggctttct gacccaaaca tttttatact aaattacaca caacaaagtt gtagctcaga 180
gagggaacaa atggcttayt taggccacca ttttcttgag ccattatgat ttcacacagg 240
gctcccttgg ccctgtaaat tggcaaggat tccattattc aacccgcata catgtacaga 300
gaccctgctc tggcccagat agtattctgg gtacaggcgg atagagcagg aaacaaaaca 360
gctacagtga tggacaggtc agcctgcagc aatgcc 396

<210> 479
<211> 396
<212> DNA
<213> Homo sapiens

<400> 479
tttttatact aaattacaca caacaaagtt gtagctcaga gagggaacaa atggcttatt 60
taggccacca ttttcttgag ccattatgat ttcacacagg gctcccttgg ccctgtaaat 120
tggcaaggat tccattattc aacccgcata catgtacaga gaccctgctc tggcccagat 180
agtattctgg gtacaggcrg atagagcagg aaacaaaaca gctacagtga tggacaggtc 240
agcctgcagc aatgcctgca gtctctgcaa aggtagctgt atgggtgggc aggtggctag 300
cacttattca gctctggaag gatctcccct ctggcctctc ccctgacacc catcaataaa 360
actgaggagc atcggtggac aggggacctt gtgccc 396

<210> 480
<211> 396
<212> DNA
<213> Homo sapiens

<400> 480
ttttcttgag ccattatgat ttcacacagg gctcccttgg ccctgtaaat tggcaaggat 60
tccattattc aacccgcata catgtacaga gaccctgctc tggcccagat agtattctgg 120
gtacaggcgg atagagcagg aaacaaaaca gctacagtga tggacaggtc agcctgcagc 180
aatgcctgca gtctctgcra aggtagctgt atgggtgggc aggtggctag cacttattca 240
gctctggaag gatctcccct ctggcctctc ccctgacacc catcaataaa actgaggagc 300
atcggtggac aggggacctt gtgccccctc cctgcctgtg cagttggggc tgaacccagc 360
tacgaagttt gagctcactc tctccagctc cctctc 396

<210> 481
<211> 396
<212> DNA
<213> Homo sapiens

<400> 481
gacaggtcag cctgcagcaa tgcctgcagt ctctgcaaag gtagctgtat gggtgggcag 60
gtggctagca cttattcagc tctggaagga tctcccctct ggcctctccc ctgacaccca 120
tcaataaaac tgaggagcat cggtggacag gggaccttgt gccccctccc tgcctgtgca 180
gttggggctg aacccagcya cgaagtttga gctcactctc tccagctccc tctcaattca 240
gagctgaact gtgggaagct tcagagctct ctgtttcaag gacaggttct cctcacctct 300
cctaatggag gtgcaccagg gaactggccc tgctctgccc agggctttct cctggacttt 360
gccatcatgg tctagcaaac cctgttcaga ttgagg 396

<210> 482
<211> 396
<212> DNA
<213> Homo sapiens

<400> 482
cactctctcc agctccctct caattcagag ctgaactgtg ggaagcttca gagctctctg 60

tttcaaggac aggttctcct cacctctcct aatggaggtg caccagggaa ctggccctgc 120
tctgcccagg gctttctcct ggactttgcc atcatggtct agcaaaccct gttcagattg 180
aggtgagtgg tgagatttyg aattcttttt gacagatagg attaagtctt cttctgtggg 240
acaagtggga ggtagaggta agattaaaga tggccaaatg tctgagtcct gacagccaca 300
atatggagat ctagactttt tacagaccac agggcacagg ggcctcacta acagagttcc 360
cggaagtgat gagtgtgctg ggggcttcct ggttga 396

<210> 483
<211> 396
<212> DNA
<213> Homo sapiens

<400> 483
taggattaag tcttcttctg tgggacaagt gggaggtaga ggtaagatta aagatggcca 60
aatgtctgag tcctgacagc cacaatatgg agatctagac tttttacaga ccacagggca 120
caggggcctc actaacagag ttcccggaag tgatgagtgt gctgggggct tcctggttga 180
agagacacta gaatggacsa gctgggagct aatttttttgg gctggagtgt gatggcctgc 240
acatcactgc ctctgtccct ccattgtcac agctgccccc taggagccag ctgaggcaat 300
ttgtggtcag agtgactttg cacagttgtc ctgcctgtgt tcaggaaggg agtttctgtg 360
gtccctttga aaccacagaa gagcccctcg tatagc 396

<210> 484
<211> 396
<212> DNA
<213> Homo sapiens

<400> 484
agttgtcctg cctgtgttca ggaagggagt ttctgtggtc cctttgaaac cacagaagag 60
cccctcgtat agctctcaat ggaggggggca aaacattcaa ataactcagg agataacaca 120
actatttgtt tttaactgtg agtttttagg caatcacaaa gatccagatg tatgtccaag 180
cctctctttg caattctawt taacctcaat gttgcaacca tagacctacc ttacagagtt 240
caaaaaaata tgcaaaaacc ctgcctttct tcttcctcat accccaaaat gccattctga 300
acatttcctg ttagttaaaa aaagatttcc atggtgttac caggcactgt acacagtctg 360
tgtcccaaga caaggaggta cagttccaca tgcgcc 396

<210> 485
<211> 396
<212> DNA
<213> Homo sapiens

<400> 485
aggggcaaa acattcaaat aactcaggag ataacacaac tatttgtttt taactgtgag 60
tttttaggca atcacaaaga tccagatgta tgtccaagcc tctctttgca attctaatta 120
acctcaatgt tgcaaccata gacctacctt acagagttca aaaaaatatg caaaaaccct 180
gcctttcttc ttcctcatwc cccaaaatgc cattctgaac atttcctgtt agttaaaaaa 240
agatttccat ggtgttacca ggcactgtac acagtctgtg tcccaagaca aggaggtaca 300
gttccacatg cgcccatgac tgggttgggc tctgcactct ctctatactt tgagagcctg 360
attttctgtg attgggcaga gctggcccac ctggtg 396

<210> 486
<211> 396
<212> DNA
<213> Homo sapiens

<400> 486
tctgcactct ctctatactt tgagagcctg attttctgtg attgggcaga gctggcccac 60
ctggtgcaat gtcctcctct gcctttcaaa catgttttag tcatcaagat cttcaaattt 120
gtaacccttt ccagcttgat ccagcagaat gcagatttgg aaaaacagaa cgagtttaaa 180
atacatgatt ctaagaaayc tggaccagaa ctatcaaaac ttggtttccc agagaatata 240
gcaaatgggc tcattggcca atactatgac attggctttt gagaaaagaa aggctttatt 300
gcaaggctgg ccagcaagga gacaggagtt gggctcaaat ctgtctcccc agtttggggc 360
ttagggcaag ttttaattac acagacgcat ttctta 396

<210> 487
<211> 396
<212> DNA
<213> Homo sapiens

<400> 487
aacccttcc agcttgatcc agcagaatgc agatttggaa aaacagaacg agtttaaaat 60
acatgattct aagaaacctg gaccagaact atcaaaactt ggtttcccag agaatatagc 120
aaatgggctc attggccaat actatgacat tggcttttga gaaaagaaag gctttattgc 180
aaggctggcc agcaaggara caggagttgg gctcaaatct gtctccccag tttggggctt 240
agggcaagtt ttaattacac agacgcattt cttatgagta gcaggcagag agcctccaac 300
ttcttctgcc taggtaccag cagcttagac atgatgcaaa cctgggaagc acatactgta 360
tttggagaaa gtgattggga agaaatgtga gctgag 396

<210> 488
<211> 396
<212> DNA
<213> Homo sapiens

<400> 488
tacatgattc taagaaacct ggaccagaac tatcaaaact tggtttccca gagaatatag 60
caaatgggct cattggccaa tactatgaca ttggcttttg agaaaagaaa ggctttattg 120
caaggctggc cagcaaggag acaggagttg ggctcaaatc tgtctcccca gtttggggct 180
tagggcaagt tttaattaya cagacgcatt tcttatgagt agcaggcaga gagcctccaa 240
cttcttctgc ctaggtacca gcagcttaga catgatgcaa acctgggaag cacatactgt 300
atttggagaa agtgattggg aagaaatgtg agctgagggg aggggctcag tgcccctgag 360
ctacacttag tgatggcaga ggaaggatgt cctccc 396

<210> 489
<211> 396
<212> DNA
<213> Homo sapiens

<400> 489
tggggcttag ggcaagtttt aattacacag acgcatttct tatgagtagc aggcagagag 60
cctccaactt cttctgccta ggtaccagca gcttagacat gatgcaaacc tgggaagcac 120
atactgtatt tggagaaagt gattgggaag aaatgtgagc tgaggggagg ggctcagtgc 180
ccctgagcta cacttagtra tggcagagga aggatgtcct cccgcaggag gctgttccac 240
atctgctctg gttgtagggg gagctggcag gcattagcag cggcctcttt cccccaagag 300
aggcagcctc ctccaagttt tggcgacatt atggccctgc aatcataagg gtttgtgagc 360
atagtgctaa ggagggaaat ggagctgctg ttacta 396

<210> 490
<211> 396
<212> DNA
<213> Homo sapiens

<400> 490
cctcctgagt agctaggact acaagcatgt gccaccacgc ccagctaatt tttgtatttt 60
tagtaaggac agggtttcac catgttggcc aggttggcct ccaactcctg acctcaagtc 120
atcctcctgc ctcgacctcc caaagtgctg ggattacagg catgaaacca gcctagaaat 180
acatactatt atttattcyt gttttacaga taagcaaagt gagtcatgga gaatttggtt 240
gaaagtccca aggtcaggag tcgtgaagct gggattaaaa cctaatcatc tgactttaga 300
gagtagacac ttgctccatg catattgcct ccaattcatt cattcaagca ctccctgctc 360
aagaagttct ttcttatgtt gagctgaaat ctgcag 396

<210> 491
<211> 396
<212> DNA
<213> Homo sapiens

<400> 491
tcatctgact ttagagagta gacacttgct ccatgcatat tgcctccaat tcattcattc 60

aagcactccc tgctcaagaa gttctttctt atgttgagct gaaatctgca gccctatgcg 120
ttttacccag cagtcctggt gctgttccct aaaatcactt agactgtgcc tgctctttct 180
gtgtttacag tgtcagctrt aatatccccc tcttcggcct aacgtttctg aagtcccttg 240
ccactgggtc tcctctcctc ttcctgtgtt ctttctaaga acacctatgc agataggtgt 300
cttctgtaca gggaagctgt tcctgagatc cgggcatcga ctctgttaga ataatctacg 360
tatgagttat ttttttgaga actatgtgtc attgct 396

<210> 492
<211> 396
<212> DNA
<213> Homo sapiens

<400> 492
atgttgagct gaaatctgca gccctatgcg ttttacccag cagtcctggt gctgttccct 60
aaaatcactt agactgtgcc tgctctttct gtgtttacag tgtcagctgt aatatccccc 120
tcttcggcct aacgtttctg aagtcccttg ccactgggtc tcctctcctc ttcctgtgtt 180
ctttctaaga acacctatrc agataggtgt cttctgtaca gggaagctgt tcctgagatc 240
cgggcatcga ctctgttaga ataatctacg tatgagttat ttttttgaga actatgtgtc 300
attgctgact catattaact ctgtggttaa ctaaaatctc aagatctctt tatgtttgtt 360
gagaaactta tttaacttct ctggccctcc gtttcc 396

<210> 493
<211> 396
<212> DNA
<213> Homo sapiens

<400> 493
gtcctggtgc tgttccctaa aatcacttag actgtgcctg ctctttctgt gtttacagtg 60
tcagctgtaa tatccccctc ttcggcctaa cgtttctgaa gtcccttgcc actgggtctc 120
ctctcctctt cctgtgttct ttctaagaac acctatgcag ataggtgtct tctgtacagg 180
gaagctgttc ctgagatcyg ggcatcgact ctgttagaat aatctacgta tgagttattt 240
ttttgagaac tatgtgtcat tgctgactca tattaactct gtggttaact aaaatctcaa 300
gatctcttta tgtttgttga gaaacttatt taacttctct ggccctccgt ttccttcact 360
gagcagtgga gtgattgata acctccacct gtggtt 396

<210> 494
<211> 396
<212> DNA
<213> Homo sapiens

<400> 494
cacctatgca gataggtgtc ttctgtacag ggaagctgtt cctgagatcc gggcatcgac 60
tctgttagaa taatctacgt atgagttatt tttttgagaa ctatgtgtca ttgctgactc 120
atattaactc tgtggttaac taaaatctca agatctcttt atgtttgttg agaaacttat 180
ttaacttctc tggccctcmg tttccttcac tgagcagtgg agtgattgat aacctccacc 240
tgtggttgct gaaggtcttg cacaagatga tatagttaaa gtagctagca gtgcccacgt 300
acggcggatg cctcacaacg gtttgcagcc atctctctat ctgtgtcttt gtctctctct 360
cacactggtt ttggcttact gttagcagct agccga 396

<210> 495
<211> 396
<212> DNA
<213> Homo sapiens

<400> 495
tctgtggtta actaaaatct caagatctct ttatgtttgt tgagaaactt atttaacttc 60
tctggccctc cgtttccttc actgagcagt ggagtgattg ataacctcca cctgtggttg 120
ctgaaggtct tgcacaagat gatatagtta aagtagctag cagtgcccac gtacggcgga 180
tgcctcacaa cggtttgcmg ccatctctct atctgtgtct ttgtctctct ctcacactgg 240
ttttggctta ctgttagcag ctagccgaga taagtgtgtt tatggtcttt gcatgtattg 300
tttctgtagc atactggagg attacaagag gttggggagt gaggggggcgg tgaggagtag 360
acaaaggcag ccaactcttc caagtttagc ttagaa 396

<210> 496
<211> 396
<212> DNA
<213> Homo sapiens

<400> 496
ttgataacct ccacctgtgg ttgctgaagg tcttgcacaa gatgatatag ttaaagtagc 60
tagcagtgcc cacgtacggc ggatgcctca caacggtttg cagccatctc tctatctgtg 120
tctttgtctc tctctcacac tggttttggc ttactgttag cagctagccg agataagtgt 180
gtttatggtc tttgcatgya ttgtttctgt agcatactgg aggattacaa gaggttgggg 240
agtgaggggg cggtgaggag tagacaaagg cagccaactc ttccaagttt agcttagaag 300
gaaggagcgg taaaccctag ttgaatgttg gactgaagca ggtttgtttt tgttttgttt 360
aaaggatagg gaagatctgt gcgtgtttcc aggata 396

<210> 497
<211> 396
<212> DNA
<213> Homo sapiens

<400> 497
acttgaagtc agtggcatgg acagggtcaa gatcacagtt agaggatgca gccttagaga 60
aaaggaaggg gctcggttct ctgagcaagg agggaaagaa gagaggcaga tgcagagaag 120
tacggcacat cgtgctgctg gttgtagaaa taacctctga cttttaataa agtcatccct 180
cggtatccct gggggattrg ttctatgacc tccctcggat gccaaaattc gtggatgctc 240
aagtccctga tataaaatgg catagtattt gcatttaacc tacacacatc ctccatatcc 300
ttttttttct ttttttttct ttttttttct tttttgtgag atggagtctt gctctgtcgc 360
cctggctgga gtacagtggc tcgatcttgg ctcact 396

<210> 498
<211> 396
<212> DNA
<213> Homo sapiens

<400> 498
aatacctgat agaatgtaaa tgctatgtaa acagttgtta tactgtattg ttaaaagaca 60
gtaacaagaa aaaaaatctg tacatgttca gtccagacaa atggttttct gttttttttt 120
ttttttttta atatttttgg tcagtggttg gttgactcca ggaatgcaga acccgcagat 180
atagaaggtt gattatgcrt tcagaggcag ggaataccat cttgggttcc agaaagaaaa 240
tgatcagcat tttctgtcat actctggtaa aaacagatct tttgaatgga caggtgtatt 300
aaaccctgtg gagctggctg ggcctggcgg ctcacgcctg taatcccagc actttgggag 360
gctgaggcag gtggatcacg aggtcaggag ttcgag 396

<210> 499
<211> 396
<212> DNA
<213> Homo sapiens

<400> 499
tgccccgcag agtttgaagt cccggctgca cctctcccca gcagcaggtt gactctggaa 60
agttgcagcg ttcttaccta cagagtggga acagtactac ccattgcaca gagtgggtgc 120
aaagctctgt gacggaatac atggcaagtg cccaccacat tgcctgggat gaggtgggcc 180
cttcctttac gtaagagarc cctacagata cactcaaagt gggcacattc ctacagaagg 240
agtgttattt gtgtagaaaa gaaaaacatg aaaggctttt attcctatac acaataaagc 300
acccctttaa tgtctttttg aggaggataa tatgaaattg atgaaaagga accctgtggt 360
tggatccctg acaatcacat gtatcccttt tttcac 396

<210> 500
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (227)..(326)
<223> n = A,T,C or G

<400> 500
tacagataca ctcaaagtgg gcacattcct acagaaggag tgttatttgt gtagaaaaga 60
aaaacatgaa aggcttttat tcctatacac aataaagcac ccctttaatg tctttttgag 120
gaggataata tgaaattgat gaaaaggaac cctgtggttg gatccctgac aatcacatgt 180
atccctttt tcactcttra aaaaggagta aaggaataaa atagaannnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnatgt ttcagtcact gtataataac tagccagatt 360
ttttgttgtt gttgttttgt ttttgttttt gttttt 396

<210> 501
<211> 396
<212> DNA
<213> Homo sapiens

<400> 501
acattctgaa ccacagacag ttctttaccc tgaacctttg catattttgt tctcttagct 60
tagagcggcc cctctccctc cgtctgcttg gctaatttct acttgttctt cagattttat 120
cttagatgtc attccctcaa ggaatccttc tgtgactcaa catggaatta agttgcctcc 180
tttgaccctg aaagcaccrt gtactcaatc tcatcttggc atgactcact ttgctgtgtg 240
gaatgtctgc tttccttgtt tgtctattcc tttagactgt aagatcctag aaagtggggg 300
ccgtgccttg ctcatgactg tgtttctaac accaaacaca gtgttcagta gagagcagct 360
gctgagtacg tttctgctaa atgacagttg atggag 396

<210> 502
<211> 396
<212> DNA
<213> Homo sapiens

<400> 502
aatccttctg tgactcaaca tggaattaag ttgcctcctt tgaccctgaa agcaccatgt 60
actcaatctc atcttggcat gactcacttt gctgtgtgga atgtctgctt tccttgtttg 120
tctattcctt tagactgtaa gatcctagaa agtgggggcc gtgccttgct catgactgtg 180
tttctaacac caaacacart gttcagtaga gagcagctgc tgagtacgtt tctgctaaat 240
gacagttgat ggaggacatt tagggttgct tggaggtcaa gtcaaggagg catttaacat 300
tctagtaaaa caaggaagta acaggctcct gaacatgccc acaatgaacc agatgcaaac 360
cttttccctt ggcaggattc tttgcccata aagtgg 396

<210> 503
<211> 396
<212> DNA
<213> Homo sapiens

<400> 503
aaagcaccat gtactcaatc tcatcttggc atgactcact ttgctgtgtg gaatgtctgc 60
tttccttgtt tgtctattcc tttagactgt aagatcctag aaagtggggg ccgtgccttg 120
ctcatgactg tgtttctaac accaaacaca gtgttcagta gagagcagct gctgagtacg 180
tttctgctaa atgacagtkg atggaggaca tttagggttg cttggaggtc aagtcaagga 240
ggcatttaac attctagtaa aacaaggaag taacaggctc ctgaacatgc ccacaatgaa 300
ccagatgcaa acctttccc ttggcaggat tctttgccca taaagtggag cacgaaagca 360
ggacccagaa tgggaggagc ttccagagga ccggaa 396

<210> 504
<211> 396
<212> DNA
<213> Homo sapiens

<400> 504
ttctgctaaa tgacagttga tggaggacat ttagggttgc ttggaggtca agtcaaggag 60
gcatttaaca ttctagtaaa acaaggaagt aacaggctcc tgaacatgcc cacaatgaac 120
cagatgcaaa ccttttccct tggcaggatt ctttgcccat aaagtggagc acgaaagcag 180

gacccagaat gggaggagyt tccagaggac cggaacactt gcctttgagc gggtctacac 240
tgccaagtga gtcctaaccc tgatgttgct aataagtggg ggcatgggca ggggggcctc 300
cttctaggag tgatgaccac ccttaatacc acatgtctgt ctgagccaag tttctgagcg 360
ccagggaggt gaggaaggtt ggacttcacc agagag 396

<210> 505
<211> 396
<212> DNA
<213> Homo sapiens

<400> 505
ggcatttaac attctagtaa aacaaggaag taacaggctc ctgaacatgc ccacaatgaa 60
ccagatgcaa acctttttccc ttggcaggat tctttgccca taaagtggag cacgaaagca 120
ggacccagaa tgggaggagc ttccagagga ccggaacact tgcctttgag cgggtctaca 180
ctgccaagtg agtcctaamc ctgatgttgc taataagtgg gggcatgggc agggggggcct 240
ccttctagga gtgatgacca cccttaatac cacatgtctg tctgagccaa gtttctgagc 300
gccagggagg tgaggaaggt tggacttcac cagagaggct ttgtggacac cctttatcat 360
cttagtgagt gctagtgtca aaacaaaggg agtggg 396

<210> 506
<211> 396
<212> DNA
<213> Homo sapiens

<400> 506
gctcctgaac atgcccacaa tgaaccagat gcaaaccttt tcccttggca ggattctttg 60
cccataaagt ggagcacgaa agcaggaccc agaatgggag gagcttccag aggaccggaa 120
cacttgcctt tgagcgggtc tacactgcca agtgagtcct aaccctgatg ttgctaataa 180
gtgggggcat gggcagggrg gcctccttct aggagtgatg accaccctta ataccacatg 240
tctgtctgag ccaagtttct gagcgccagg gaggtgagga aggttggact tcaccagaga 300
ggctttgtgg acacccttta tcatcttagt gagtgctagt gtcaaaacaa agggagtggg 360
gatatggggc acattggtgg agggaggtgt gatctc 396

<210> 507
<211> 396
<212> DNA
<213> Homo sapiens

<400> 507
ttgcccataa agtggagcac gaaagcagga cccagaatgg gaggagcttc cagaggaccg 60
gaacacttgc ctttgagcgg gtctacactg ccaagtgagt cctaaccctg atgttgctaa 120
taagtggggg catgggcagg ggggcctcct tctaggagtg atgaccaccc ttaataccac 180
atgtctgtct gagccaagyt tctgagcgcc agggaggtga ggaaggttgg acttcaccag 240
agaggctttg tggacaccct ttatcatctt agtgagtgct agtgtcaaaa caaagggagt 300
ggggatatgg ggcacattgg tggagggagg tgtgatctct gcagcttcag aaagatctga 360
aagagtcatt tggttagaga agttgaccta tttcct 396

<210> 508
<211> 396
<212> DNA
<213> Homo sapiens

<400> 508
aaacaaaggg agtggggata tggggcacat tggtggaggg aggtgtgatc tctgcagctt 60
cagaaagatc tgaaagagtc atttggttag agaagttgac ctatttcctg tggggttaga 120
ccagggttgc tactgtgaac accagccatg actcaccagt caccttcaga agccacaggc 180
aggacatgct gacgacagyc ttcaactcac ccacccctg ctcccctgcg ggtggaagtc 240
tggaggtgac accactgcat tttctaacac gggggctcct tgagcaacta gaacaagaac 300
agaaagaatg gggacattag caggtgcttt ccccctctct cattcttttc tttgaataaa 360
aaggttgttt gaaaacacct gagcggctcc taaaga 396

<210> 509
<211> 396

<212> DNA
<213> Homo sapiens

<400> 509
ctcctctctt ctttatgcag agtgtatttc aaggctcagc cagtggcagg catgctgggg 60
actatggact acggactagg ggcctgtcac agaggaaggc ctcatgctag agagctaagg 120
gaggagctgg ccttcagttc catcccagga gcaactttga tgttcccaga gatccttcca 180
aaggggagt catggtcamc caagaaaaat gtattcagaa tgccaagaat ggtgcaaact 240
caggacaaag attcacactg cagggttgga gtccctgggc ttgctgctgg caccatggga 300
gggagggtcc ccttcagggg taccgttggt ttcctgtgaa ttaaactggc ttcaagggat 360
ctcgactgaa caggcctata tcacactcac tgatat 396

<210> 510
<211> 396
<212> DNA
<213> Homo sapiens

<400> 510
tctcctcatc taggtatttt taattgtttc agtgaggtgt aggcatgagg ggattggagg 60
gggcatctcc tccattgcag tttttcattg gctgctttgc tccctcagct ccgaaatcgc 120
tgggccactc tcgaacgcat tagtacggta gtcacaggtt gattgcctgg ccccttgccc 180
tctgtgggca ttttccctyt cagacagccc ctgagtactc acagtgctgc tacagtgggc 240
cacctagatc tccctctttc tccatgctcc cacgtgctct gggctccact cccttctccc 300
aagcacttct gtccagggct attccagcag tctgacctca aggaaatcct ttgctaaact 360
gattatagag aggtttctat tttaacattt aggtct 396

<210> 511
<211> 396
<212> DNA
<213> Homo sapiens

<400> 511
atctaggtat ttttaattgt ttcagtgagg tgtaggcatg aggggattgg agggggcatc 60
tcctccattg cagtttttca ttggctgctt tgctccctca gctccgaaat cgctgggcca 120
ctctcgaacg cattagtacg gtagtcacag gttgattgcc tggccccttg ccctctgtgg 180
gcattttccc tttcagacwg cccctgagta ctcacagtgc tgctacagtg ggccacctag 240
atctccctct ttctccatgc tcccacgtgc tctgggctcc actcccttct cccaagcact 300
tctgtccagg gctattccag cagtctgacc tcaaggaaat cctttgctaa actgattata 360
gagaggtttc tattttaaca tttaggtctt ccatgt 396

<210> 512
<211> 396
<212> DNA
<213> Homo sapiens

<400> 512
aggtgtaggc atgaggggat tggagggggc atctcctcca ttgcagtttt tcattggctg 60
ctttgctccc tcagctccga aatcgctggg ccactctcga acgcattagt acggtagtca 120
caggttgatt gcctggcccc ttgccctctg tgggcatttt ccctttcaga cagcccctga 180
gtactcacag tgctgctaya gtgggccacc tagatctccc tctttctcca tgctcccacg 240
tgctctgggc tccactccct tctcccaagc acttctgtcc agggctattc cagcagtctg 300
acctcaagga aatcctttgc taaactgatt atagagaggt ttctatttta acatttaggt 360
cttccatgta ttaattctca gaatcaattt aagatg 396

<210> 513
<211> 396
<212> DNA
<213> Homo sapiens

<400> 513
cctttcagac agcccctgag tactcacagt gctgctacag tgggccacct agatctccct 60
ctttctccat gctcccacgt gctctgggct ccactccctt ctcccaagca cttctgtcca 120
gggctattcc agcagtctga cctcaaggaa atcctttgct aaactgatta tagagaggtt 180

tctattttaa catttaggyc ttccatgtat taattctcag aatcaattta agatgtttaa 240
aggtgtgatt taagacattt taaaaccatt tggaggagag tacagaaatt atgtcacttg 300
ctgtcagcct ctttgcacca tctgcagaga aagatactag agtcccgcct tggacacatc 360
cacatgcaag aggtgcaaag aaggtgtctt tgatga 396

<210> 514
<211> 396
<212> DNA
<213> Homo sapiens

<400> 514
ttctcagaat caatttaaga tgtttaaagg tgtgatttaa gacattttaa aaccatttgg 60
aggagagtac agaaattatg tcacttgctg tcagcctctt tgcaccatct gcagagaaag 120
atactagagt cccgccttgg acacatccac atgcaagagg tgcaaagaag gtgtctttga 180
tgaggcaagg tcaaaactyc tccccagacg aaatccaaag aaagcattcc tactatgcta 240
tatcagtttg gaaagaaaaa cttctgccag gtgactgcat tctcactggt cacattgtgt 300
tcctatggac tcctcagctc aaccaatttg gagaagttat ggtgcaattt caccatatct 360
ggttagaagt taagtttcca atttgctggc aatgaa 396

<210> 515
<211> 396
<212> DNA
<213> Homo sapiens

<400> 515
aagaaggtgt ctttgatgag gcaaggtcaa aacttctccc cagacgaaat ccaaagaaag 60
cattcctact atgctatatc agtttggaaa gaaaaacttc tgccaggtga ctgcattctc 120
actggtcaca ttgtgttcct atggactcct cagctcaacc aatttggaga agttatggtg 180
caatttcacc atatctggyt agaagttaag tttccaattt gctggcaatg aagaagaaat 240
ggagcaggcc aggctgtgta gtttctgcca cgtgcccccg ggagtgaaca gctctgtttg 300
taagaagcca tggtgcttag acctgggctc gctagttgcc agcctccaaa ttgcagaagt 360
gccctttggt tggtggctat gctgtgtcac ttggga 396

<210> 516
<211> 396
<212> DNA
<213> Homo sapiens

<400> 516
gcaacatatc tgtgtgcctg tctgggttgt aaaaagggtc aaagatcaat gcagcaggca 60
gctacatgct ggcaaaagcc agaggcagct ggtctgtttg cctgtgccag gaaaccactg 120
ggaatggggt tgtgtgttat tctaggagaa agtcgtccca gcagcagctt ctccaggggc 180
atccaagagc actgaaaarg gttgcaagat gacccatgag gctgcaggaa gaaaagaaca 240
tgcatttaat cttgctatct gaaaagtaag acatgaagct ttcctcattt ttaatataca 300
catggacagt agtatgtgta tatagtttat atgcaaatat acttgttata aggttgcatg 360
ctcaaaattt ttggttcatg gggtgtggga tcataa 396

<210> 517
<211> 396
<212> DNA
<213> Homo sapiens

<400> 517
cagctacatg ctggcaaaag ccagaggcag ctggtctgtt tgcctgtgcc aggaaaccac 60
tgggaatggg gttgtgtgtt attctaggag aaagtcgtcc cagcagcagc ttctccaggg 120
gcatccaaga gcactgaaaa gggttgcaag atgacccatg aggctgcagg aagaaaagaa 180
catgcattta atcttgctrt ctgaaaagta agacatgaag ctttcctcat ttttaatata 240
cacatggaca gtagtatgtg tatatagttt atatgcaaat atacttgtta taaggttgca 300
tgctcaaaat ttttggttca tggggtgtgg gatcataaat gtttagggac catggctatc 360
aaggaaaaac agcatgaagg ataaatgata ctggtg 396

<210> 518
<211> 396

<212> DNA
<213> Homo sapiens

<400> 518
ctatctgaaa agtaagacat gaagctttcc tcatttttaa tatacacatg gacagtagta 60
tgtgtatata gtttatatgc aaatatactt gttataaggt tgcatgctca aaatttttgg 120
ttcatggggt gtgggatcat aaatgtttag ggaccatggc tatcaaggaa aaacagcatg 180
aaggataaat gatactggyg gattaaaaag acagatgcat gtatttttag cataaaacac 240
aactgctgac tgatacagat agctcaagat tctggggcag ctgctgaaca gatacactag 300
ccagtgtggc tcatcggctc agacttggcc ttaattaatg ggctgtccct ccacccatct 360
cccatgaggg cagagctgag ccagggtttg agagct 396

<210> 519
<211> 396
<212> DNA
<213> Homo sapiens

<400> 519
agtttatatg caaatatact tgttataagg ttgcatgctc aaaatttttg gttcatgggg 60
tgtgggatca taaatgttta gggaccatgg ctatcaagga aaaacagcat gaaggataaa 120
tgatactggt ggattaaaaa gacagatgca tgtatttta gcataaaaca caactgctga 180
ctgatacaga tagctcaasa ttctggggca gctgctgaac agatacacta gccagtgtgg 240
ctcatcggct cagacttggc cttaattaat gggctgtccc tccacccatc tcccatgagg 300
gcagagctga gccagggttt gagagctaaa aggaattgga cctggactct gttcacgtgt 360
atattttaat tctaattaat tcattctttt gaaaga 396

<210> 520
<211> 394
<212> DNA
<213> Homo sapiens

<400> 520
gtatttttag cataaaacac aactgctgac tgatacagat agctcaagat tctggggcag 60
ctgctgaaca gatacactag ccagtgtggc tcatcggctc agacttggcc ttaattaatg 120
ggctgtccct ccacccatct cccatgaggg cagagctgag ccagggtttg agagctaaaa 180
ggaattggac ctggactcdg ttcacgtgta tattttaatt ctaattaatt cattcttttg 240
aaagacagag tcacactctg ttgcctaggc tggagtgcag tggcacgatc ttggctcact 300
gcaacctcgg cctcccaggt tcaagttatt ctcctgcttc agcctcctga gtagctggga 360
ttataggcac atgcccccat gcctgactaa tttt 394

<210> 521
<211> 396
<212> DNA
<213> Homo sapiens

<400> 521
gctaaaagga attggacctg gactctgttc acgtgtatat tttaattcta attaattcat 60
tcttttgaaa gacagagtca cactctgttg cctaggctgg agtgcagtgg cacgatcttg 120
gctcactgca acctcggcct cccaggttca agttattctc ctgcttcagc ctcctgagta 180
gctgggatta taggcacayg ccccccatgcc tgactaattt ttgtatttttt agtagagacg 240
gggtttcacc atgtcaggct ggtcttgaac tcctgacctc aggttatcca cccgccttgg 300
cccctcaaag tgttggaatt acaggtgtga gccaccgtgc ctggcctgtt cacatgtata 360
aaacacagtt taatgtccta ttcccagcca atgagc 396

<210> 522
<211> 396
<212> DNA
<213> Homo sapiens

<400> 522
tcaggttatc cacccgcctt ggcccctcaa agtgttggaa ttacaggtgt gagccaccgt 60
gcctggcctg ttcacatgta taaaacacag tttaatgtcc tattcccagc caatgagcat 120
ggctagagca gccttggtca aagtttggtt tttggagaaa aatccttgtt agctgaccta 180

agattcctct ttgtgagtkt aagtaagcac aggttgcaga gaggagaagg gtctctggag 240
aggtgtaatt ttctaaatgg attacaagtt catggacttt taacaggtgt tacaggggat 300
aacaagttct ttatagacag acttttgagg acgtttaagg gtattctgat tcttggtttt 360
ctaagagggg aatgtattat ttaactacag acaccc 396

<210> 523
<211> 396
<212> DNA
<213> Homo sapiens

<400> 523
aaaatccaga ataataataa tttgtcaata ggaaagacat ttccactggg ggttaagaag 60
gaagacattg gaacaatgat agccaccact tattgaatgc ttactgtgag ccaggtggca 120
cttcaccttg tttcattctc acaacagtct agggaagtaa ttactaatgt ctccatccac 180
ctcttgtaga tgagcaaayt gaggctcatt gaggctagga aatgcaccca cactcacata 240
gcccataaga ggcagccatg gcattgggcc cagaccatgt gaacttcaaa gactacacga 300
gcagccactg ggcagctgtc atggctaaag ccacttgaat tcagcccagc agcaaccccc 360
tctccaggag gggcacataa gcttgcagct ttgggt 396

<210> 524
<211> 396
<212> DNA
<213> Homo sapiens

<400> 524
ataataataa tttgtcaata ggaaagacat ttccactggg ggttaagaag gaagacattg 60
gaacaatgat agccaccact tattgaatgc ttactgtgag ccaggtggca cttcaccttg 120
tttcattctc acaacagtct agggaagtaa ttactaatgt ctccatccac ctcttgtaga 180
tgagcaaact gaggctcayt gaggctagga aatgcaccca cactcacata gcccataaga 240
ggcagccatg gcattgggcc cagaccatgt gaacttcaaa gactacacga gcagccactg 300
ggcagctgtc atggctaaag ccacttgaat tcagcccagc agcaaccccc tctccaggag 360
gggcacataa gcttgcagct ttgggtagaa gctgca 396

<210> 525
<211> 396
<212> DNA
<213> Homo sapiens

<400> 525
gcacttgaag tcctggatgg cgagagggac tggcttgagc cagagccagg aacaaggctc 60
tgagaatatt ctggaaatcc acaggaggaa cccattttct tacagctggg agaatttcat 120
tcaactccag gctgaccatg ttttattagg aacgaaggtg acttgaacta atagtcagga 180
atggttgaat acggacccra tgtcaaatca ctaggcagtt cacatttcta atgagcaaat 240
cccttagaca attaagaatt tttttccttt tgcataaccc agacaaaatc gctacttaaa 300
aacaaaccaa agacccgaaa catgagaaag agaaggaagc aggggaaatc tttggtacta 360
ataagttttt aaacaataag agcaccagat atttta 396

<210> 526
<211> 396
<212> DNA
<213> Homo sapiens

<400> 526
atgagcaaat cccttagaca attaagaatt tttttccttt tgcataaccc agacaaaatc 60
gctacttaaa aacaaaccaa agacccgaaa catgagaaag agaaggaagc aggggaaatc 120
tttggtacta ataagttttt aaacaataag agcaccagat attttacccc atcagacaca 180
gaatgttatt cgaataacsa aaaaaggaat tttttctcta agtttcttga actggaaaat 240
gaatcatatt ttctcagtcc tgaggctgca attttgtgcc tctagtaaca tataagaata 300
gatgtgatgc cagtgcccag tagctgctgc aattgttact tggggacctg tttattcact 360
aagcacttca ccccagtgat aaatttgtag gggcct 396

<210> 527
<211> 396

<212> DNA
<213> Homo sapiens

<400> 527
ccgtgtccat tagatcagtg gaaattctgg gattcagagc actttgcaag gtcagcaggg 60
gtctgctctt tctgtcctgt tcctggtttt tggttgtgcc tggattccag ggtaggtttc 120
tcatctgtta ccttcataga cttctccaga aaaggatctt ttgaccatca gaggaccacg 180
aagattccat tggtgaggyg cagataacct gatctctctg ggttctctgc agggcacaga 240
tgaagggctg gccattccca agttctcagt ggtaccactg aggcatgaga ccctaatggt 300
ttgcatgagc agtttgaaaa ttgcatcttt gtttttacct atataatcac atgaaacccg 360
tggttctcaa acgtcagcag gcatcagcat cacatg 396

<210> 528
<211> 396
<212> DNA
<213> Homo sapiens

<400> 528
tcagtggtac cactgaggca tgagacccta atggtttgca tgagcagttt gaaaattgca 60
tctttgtttt tacctatata atcacatgaa acccgtggtt ctcaaacgtc agcaggcatc 120
agcatcacat ggagggcttg ttaaaacaga tttctgggcc ccaacacaga gttttaaatt 180
ctgaaggcct gaggtgggyg tgaacatttg catttctaac atgttctcga tgctgctgcc 240
gcctctggtc ccgagagcat gcctggagaa ctgccacctt cgaccatgga ctgtgagaat 300
tcacatggac ctcagaatta taatcagtct ctcagtttta cagataagga aactaaatcc 360
agagagattg ttttgccaat ggtgaacagc tggtta 396

<210> 529
<211> 396
<212> DNA
<213> Homo sapiens

<400> 529
atggtttgca tgagcagttt gaaaattgca tctttgtttt tacctatata atcacatgaa 60
acccgtggtt ctcaaacgtc agcaggcatc agcatcacat ggagggcttg ttaaaacaga 120
tttctgggcc ccaacacaga gttttaaatt ctgaaggcct gaggtgggtg tgaacatttg 180
catttctaac atgttctcra tgctgctgcc gcctctggtc ccgagagcat gcctggagaa 240
ctgccacctt cgaccatgga ctgtgagaat tcacatggac ctcagaatta taatcagtct 300
ctcagtttta cagataagga aactaaatcc agagagattg ttttgccaat ggtgaacagc 360
tggttaaagt caggatggag actttaatcc tagtca 396

<210> 530
<211> 396
<212> DNA
<213> Homo sapiens

<400> 530
gagcagtttg aaaattgcat ctttgttttt acctatataa tcacatgaaa cccgtggttc 60
tcaaacgtca gcaggcatca gcatcacatg gagggcttgt taaaacagat ttctgggccc 120
caacacagag ttttaaattc tgaaggcctg aggtgggtgt gaacatttgc atttctaaca 180
tgttctcgat gctgctgcyg cctctggtcc cgagagcatg cctggagaac tgccaccttc 240
gaccatggac tgtgagaatt cacatggacc tcagaattat aatcagtctc tcagttttac 300
agataaggaa actaaatcca gagagattgt tttgccaatg gtgaacagct ggttaaagtc 360
aggatggaga ctttaatcct agtcaagtga cctttc 396

<210> 531
<211> 396
<212> DNA
<213> Homo sapiens

<400> 531
agtttgaaaa ttgcatcttt gtttttacct atataatcac atgaaacccg tggttctcaa 60
acgtcagcag gcatcagcat cacatggagg gcttgttaaa acagatttct gggccccaac 120
acagagtttt aaattctgaa ggcctgaggt gggtgtgaac atttgcattt ctaacatgtt 180

ctcgatgctg ctgccgcckc tggtcccgag agcatgcctg gagaactgcc accttcgacc 240
atggactgtg agaattcaca tggacctcag aattataatc agtctctcag ttttacagat 300
aaggaaacta aatccagaga gattgttttg ccaatggtga acagctggtt aaagtcagga 360
tggagacttt aatcctagtc aagtgacctt tcctct 396

<210> 532
<211> 396
<212> DNA
<213> Homo sapiens

<400> 532
catctttgtt tttacctata taatcacatg aaacccgtgg ttctcaaacg tcagcaggca 60
tcagcatcac atggagggct tgttaaaaca gatttctggg ccccaacaca gagttttaaa 120
ttctgaaggc ctgaggtggg tgtgaacatt tgcatttcta acatgttctc gatgctgctg 180
ccgcctctgg tcccgagakc atgcctggag aactgccacc ttcgaccatg gactgtgaga 240
attcacatgg acctcagaat tataatcagt ctctcagttt tacagataag gaaactaaat 300
ccagagagat tgttttgcca atggtgaaca gctggttaaa gtcaggatgg agactttaat 360
cctagtcaag tgacctttcc tctgtattta tttccc 396

<210> 533
<211> 396
<212> DNA
<213> Homo sapiens

<400> 533
atttctgaca tcctgaacca tagtaaaagg gtgtttttttg ttttttttgag acagagtctt 60
gctctgttgc ctgggctgga gtgcagtggt gtgatcttgg ctcgctgcaa cctccgcctc 120
ccaggttcaa gtgattctcc tgcctcagcc tcctgagtag ctgggattac aggtgcttgc 180
caccacacct ggctatttkt tgtgttttta gtagagacag ggtttcacca tgttggccag 240
gctggtcttg aactcctgac cttgtgatct gcctgcctca gcctcccaaa ttgctgggat 300
tacaaggcgt gttgttttaa gccactcagt ttgtggccac ttgttacagc agcaagagga 360
aactcataca gttatcatgt gaactcacag gaatat 396

<210> 534
<211> 396
<212> DNA
<213> Homo sapiens

<400> 534
gatctgcctg cctcagcctc ccaaattgct gggattacaa ggcgtgttgt tttaagccac 60
tcagtttgtg gccacttgtt acagcagcaa gaggaaactc atacagttat catgtgaact 120
cacaggaata tggtgagtta aaaagagagg aagggtgcaa aacatccacg gtagagtgag 180
aactctccag ggagtgagra ctgtgcccag catacagtga tcaccctctt agtaagctaa 240
gtttctgagc accagctttt ttgagttgac tttgttgtct ttaacatttg aagatcaccc 300
ttctttgctc agcctggctt gcagacctgg gctgatttgt ggatctgata gaaaagtttc 360
cttagttggg ctcttctccc cgaccacccc catgcc 396

<210> 535
<211> 396
<212> DNA
<213> Homo sapiens

<400> 535
tgcctcagcc tcccaaattg ctgggattac aaggcgtgtt gttttaagcc actcagtttg 60
tggccacttg ttacagcagc aagaggaaac tcatacagtt atcatgtgaa ctcacaggaa 120
tatggtgagt taaaaagaga ggaagggtgc aaaacatcca cggtagagtg agaactctcc 180
agggagtgag gactgtgcmc agcatacagt gatcaccctc ttagtaagct aagtttctga 240
gcaccagctt ttttgagttg actttgttgt ctttaacatt tgaagatcac ccttctttgc 300
tcagcctggc ttgcagacct gggctgattt gtggatctga tagaaaagtt tccttagttg 360
ggctcttctc cccgaccacc cccatgccag tgtggc 396

<210> 536
<211> 396

<212> DNA
<213> Homo sapiens

<400> 536
gctactttgc agccaaggta actcagactt ccctttgttc attctccttc tataaagtgc 60
atctcaagga ggttcaaagg gcaggctttt tgttgaaagg actttgcctg acctctggct 120
cccatctgtg aagccctgga gaggtgagag ccctcgggag gccgtgtttc aggcatgctc 180
tgcacccgtg cagagcgcrt gtgataatgc attgctaatg cttgctccct ggtggctggc 240
tgagagctgc tgtgctgaca agggtggttt aaggctaaat gtgactcaga atccttaagc 300
agtgttagtt cagatacaag ggcattataa atgagagtgc ctgagggatc tattttggga 360
ccgctgtcac ttggctcttc tgctaataag cttcca 396

<210> 537
<211> 396
<212> DNA
<213> Homo sapiens

<400> 537
acagttatca gcagcccaca ggcttgactt gagcaagttg gaaagacaaa tcaacttcca 60
gagttgattt aacattgagt ggaaatcagt catacttttg gtccccttcc ggggccacgc 120
ctggcactgt gcctggtggc agatcggcat gaactggcca gcttctgtgg ccctggaggg 180
cacaggcaga aaggccacrc tcagtcccat gatgaactgt ttaagactta ttgttgtctc 240
cccgctctgt aaagtagata gagtggattt tatgtccctt attacctttc aggatacttt 300
gactcaggga gataaagtaa cttgggtaca gctactcagc tggtgaagaa cacaggcaga 360
atgagtgcct gggtcttttg acttaaaatt ctggat 396

<210> 538
<211> 396
<212> DNA
<213> Homo sapiens

<400> 538
ctgtgcctgg tggcagatcg gcatgaactg gccagcttct gtggccctgg agggcacagg 60
cagaaaggcc acactcagtc ccatgatgaa ctgtttaaga cttattgttg tctccccgct 120
ctgtaaagta gatagagtgg attttatgtc ccttattacc tttcaggata ctttgactca 180
gggagataaa gtaacttgsg tacagctact cagctggtga agaacacagg cagaatgagt 240
gcctgggtct tttgacttaa aattctggat ttttcacaaa gatcctctta ctttattcat 300
ttacataata aatatatatt gaagagctac tctgtgccaa gccctgtgcc tagatataca 360
gtgataaata aagagtagct tctagaggtc acctgg 396

<210> 539
<211> 396
<212> DNA
<213> Homo sapiens

<400> 539
aagttcagtg atagagagca gaggtgaggc ggcagcagaa accacttaag ggacaccacg 60
tggcactcct tctgtgctga gaaggctgtc agtaagctca ccatttattt cctatttttct 120
ctcctgagtt aaataggaaa catgtctcgc attacttgaa aaatcaagtc aaactatgct 180
cttactagga gttatggtyc tttttatgtc ttagatgatg cttgatctag atgaatgcgg 240
acttgctgta gctagataaa tacaatggga gtttgaaggt gtttcgtagc cctggaaata 300
ggtatttcct gtcaaaacaa gctttgtcat tgccagcaga caaaagcatc agtaaccttg 360
gttgataatc gtcatttctt aggaataaag tagact 396

<210> 540
<211> 396
<212> DNA
<213> Homo sapiens

<400> 540
gtatttcctg tcaaaacaag ctttgtcatt gccagcagac aaaagcatca gtaaccttgg 60
ttgataatcg tcatttctta ggaataaagt agactgtaga attttttta gcagaaagga 120
aacccaaaga taattctagt gcaaatccct cactttatag agcagaagct caagtcccag 180

aggaacaagt ggcttgaayg aacatcagaa ttttaggggc tggatttgta ccctcctggt 240
gccagcagcc cacttccctg caggaggcac tcaccttcct tgcacagggg tatgagtgtg 300
gccattttcc acccataatc tctgttagct catgttcaat tgggttccca ttgaaagaaa 360
aatggaccag taagttggag cagaatcatt cagatg 396

<210> 541
<211> 396
<212> DNA
<213> Homo sapiens

<400> 541
agctttgtca ttgccagcag acaaaagcat cagtaacctt ggttgataat cgtcatttct 60
taggaataaa gtagactgta gaatttttt tagcagaaag gaaacccaaa gataattcta 120
gtgcaaatcc ctcactttat agagcagaag ctcaagtccc agaggaacaa gtggcttgaa 180
cgaacatcag aattttagkg gctggatttg taccctcctg gtgccagcag cccacttccc 240
tgcaggaggc actcaccttc cttgcacagg ggtatgagtg tggccatttt ccacccataa 300
tctctgttag ctcatgttca attgggttcc cattgaaaga aaaatggacc agtaagttgg 360
agcagaatca ttcagatggt ataacataag gaaaaa 396

<210> 542
<211> 396
<212> DNA
<213> Homo sapiens

<400> 542
tgtttaaatt gcttttatat ctgtagctct agataacact agttccagct tagttaactc 60
ccagctccaa gccttcagga cttcatagag ttattggggt gctgctcttg gcagtttccc 120
aaaaagctag aatgcagagg gaatctcctt cccaaaaagc tagaatgcag agggaatctc 180
cttcccaaaa ggctagaayg cagagggaat ctccttccca aaaagctaga atgcagaggg 240
aatctccttc ccaaaaggct agaacgcaga gggaatctcc ttcccaaaag gctagaacgc 300
agagggaatc tccttcccaa aaggctagaa tgcagaggga atgtccttct cttctaaatg 360
gtagctgtta gttcaagaaa ggttaaacat tgtgct 396

<210> 543
<211> 396
<212> DNA
<213> Homo sapiens

<400> 543
gctgcgtttg ctggactgat gtacttgttt gtgaggcaaa agtactttgt cggttaccta 60
ggagagagaa cgcagaggta ggtaactggg actactaaag aactgtggag cgattcctga 120
tttttgagca ggaagagtga caattcaaaa cagtatttga ctagattcac ggctccgtag 180
catccccttg ggtgggagsg ggaaggctga ctaggacctc tgattcttct ttccctgagc 240
tttgaaggct ctgaaaatac agctgggggg acttgcccag ttttcttatt aagcaattcc 300
tccgcatggt gctggctttc aaagggtgct tcagtgctgt ttgctgcacg tgccttgcag 360
ccccacaccc tgcactcccg ccctgcagag tctggc 396

<210> 544
<211> 396
<212> DNA
<213> Homo sapiens

<400> 544
gaggcaaaag tactttgtcg gttacctagg agagagaacg cagaggtagg taactgggac 60
tactaaagaa ctgtggagcg attcctgatt tttgagcagg aagagtgaca attcaaaaca 120
gtatttgact agattcacgg ctccgtagca tccccttggg tgggaggggg aaggctgact 180
aggacctctg attcttctyt ccctgagctt tgaaggctct gaaaatacag ctggggggac 240
ttgcccagtt ttcttattaa gcaattcctc cgcatggtgc tggctttcaa agggtgcttc 300
agtgctgttt gctgcacgtg ccttgcagcc ccacaccctg cactcccgcc ctgcagagtc 360
tggcgctgga atgacatttt aggtctgggt tcccag 396

<210> 545
<211> 396

<212> DNA
<213> Homo sapiens

<400> 545
tatctttcag ggaccagaag aaagaatgtt gggaaaataa gatgcagtaa gatgcagaca 60
tgacagcagg gtgcagcggc tcacgcctat aatcccagca ctttgggagg ctgaggtggg 120
tggatcacct gaggtcagga gtttgagacc agcctggcca acatggtgaa accccgtctc 180
tactaaaaaa tatacaaarc attagccagg catggtggtg ggcgcctgta atcccagcta 240
ctccataggc tgaggctgga gaatcgcttg aacccaggag gcagaggttg cagtgagccg 300
agattgcgcc actgcactcc agcctgggca acaaaagcaa aactccatct caaaaaaaaa 360
aaaaaaaaaa aaaaaaaaga tgcagacacg agactg 396

<210> 546
<211> 396
<212> DNA
<213> Homo sapiens

<400> 546
tgggcgcctg taatcccagc tactccatag gctgaggctg gagaatcgct tgaacccagg 60
aggcagaggt tgcagtgagc cgagattgcg ccactgcact ccagcctggg caacaaaagc 120
aaaactccat ctcaaaaaaa aaaaaaaaaa aaaaaaaaaa gatgcagaca cgagactgtg 180
aaactgacta gcatcaccwt tgcattgttt atagatgttg ccagacagaa agccccaaag 240
cagcacagta ccttcctgac atctggacta ggaaatctag attttagtaa aatacatgct 300
aatacttaca gaagaaatgt cggcgttaga gtatgccgtc agttccttag agattgcaat 360
tcctaatgca ctagtatggt ttcaggtgcc aggaac 396

<210> 547
<211> 396
<212> DNA
<213> Homo sapiens

<400> 547
actccatctc aaaaaaaaaa aaaaaaaaaa aaaaaaagat gcagacacga gactgtgaaa 60
ctgactagca tcaccattgc attgtttata gatgttgcca gacagaaagc cccaaagcag 120
cacagtacct tcctgacatc tggactagga aatctagatt ttagtaaaat acatgctaat 180
acttacagaa gaaatgtcrg cgttagagta tgccgtcagt tccttagaga ttgcaattcc 240
taatgcacta gtatggtttc aggtgccagg aacacgttct gtgaggctgc tgccccaggt 300
gctgacccca gccttccaca ccattttcct tccttgtgtt cacagccgct ctgtctttta 360
caatagcacc cctctctagt ggctaatggg ctctat 396

<210> 548
<211> 396
<212> DNA
<213> Homo sapiens

<400> 548
aaaaaaaaaa aaaaaaaaaa aagatgcaga cacgagactg tgaaactgac tagcatcacc 60
attgcattgt ttatagatgt tgccagacag aaagccccaa agcagcacag taccttcctg 120
acatctggac taggaaatct agattttagt aaaatacatg ctaatactta cagaagaaat 180
gtcggcgtta gagtatgcyg tcagttcctt agagattgca attcctaatg cactagtatg 240
gtttcaggtg ccaggaacac gttctgtgag gctgctgccc caggtgctga ccccagcctt 300
ccacaccatt ttccttcctt gtgttcacag ccgctctgtc ttttacaata gcacccctct 360
ctagtggcta atgggctcta tgattagata gcatcc 396

<210> 549
<211> 396
<212> DNA
<213> Homo sapiens

<400> 549
tttcaggtgc caggaacacg ttctgtgagg ctgctgcccc aggtgctgac cccagccttc 60
cacaccattt tccttccttg tgttcacagc cgctctgtct tttacaatag cacccctctc 120
tagtggctaa tgggctctat gattagatag catccttcag tagtgataaa ggcagtgaca 180

tcctagggag gtcagcggkt gaaagcgcta tatctggaaa acctgagagc ctgtgaagct 240
caaggacttg acggggttag accgtgagcc gggctgcagc tggaaaaaga atgactgttc 300
tttcagcaga tccttccctg tgccatctct ttcttcattc ctctctagtg gcattcttat 360
ttatcctcta aaaccacaat tccattatct ctccta 396

<210> 550
<211> 396
<212> DNA
<213> Homo sapiens

<400> 550
gagggtcttc tcttttgcct ggctccctat gcagccctat cttacccccc gcaaagtccc 60
agggatgtgg ctcagtcact gctcctctct tcatctgtca ccacttgctt gagatcctac 120
agctgcttta attccgagac catctgcaga acatgacaaa atttgtccac ctacccacat 180
gtccttttaa ctttaaagrc tttactaact gattcctatt agggaatgaa cagaggtggc 240
aaaaataaac aataggagat tgatttacaa gaaatcttta aaatagtaga tttcttcgga 300
cctcattgaa atataaatgg cctgccttct tgtgtccctc cctggtctcc ctctttaggt 360
gataagaaga agatcctgcc agccccataa cccgcc 396

<210> 551
<211> 396
<212> DNA
<213> Homo sapiens

<400> 551
ttaaaatagt agatttcttc ggacctcatt gaaatataaa tggcctgcct tcttgtgtcc 60
ctccctggtc tccctcttta ggtgataaga agaagatcct gccagcccca taacccgcca 120
tctgcgcggg ttctagaccc ccttctcctc ccctctggcc gtggtaggca ttactgatga 180
atcatggtgc tctttcttmc agagaccaaa cctggcctcg gaatccttct taacacagat 240
actgcttaac acaaccactc tgagcagctg tcataagtag aagtaataga tactagaaga 300
aatgtctaag cctaatctag accaaaatac ggcctgatat agatgcaagc cagaggggct 360
ttatggttaa atgcaaggag attttcaacc ctgccg 396

<210> 552
<211> 396
<212> DNA
<213> Homo sapiens

<400> 552
ctggtctccc tctttaggtg ataagaagaa gatcctgcca gccccataac ccgccatctg 60
cgcgggttct agacccccct ctcctccccc ctggccgtgg taggcattac tgatgaatca 120
tggtgctctt tcttccagag accaaacctg gcctcggaat ccttcttaac acagatactg 180
cttaacacaa ccactctgrg cagctgtcat aagtagaagt aatagatact agaagaaatg 240
tctaagccta atctagacca aaatacggcc tgatatagat gcaagccaga ggggctttat 300
ggttaaatgc aaggagattt tcaaccctgc cgtctagaag ctacttgctg agatcttctt 360
cagttgggcc catctcctcc ccaggcctct cttctg 396

<210> 553
<211> 396
<212> DNA
<213> Homo sapiens

<400> 553
ccataacccg ccatctgcgc gggttctaga ccccccttctc ctcccctctg gccgtggtag 60
gcattactga tgaatcatgg tgctctttct tccagagacc aaacctggcc tcggaatcct 120
tcttaacaca gatactgctt aacacaacca ctctgagcag ctgtcataag tagaagtaat 180
agatactaga agaaatgtmt aagcctaatc tagaccaaaa tacggcctga tatagatgca 240
agccagaggg gctttatggt taaatgcaag gagattttca accctgccgt ctagaagcta 300
cttgctgaga tcttcttcag ttgggcccat ctcctcccca ggcctctctt ctgttcctgg 360
gctatgtcac acttggactc tgcagacacc taatgc 396

<210> 554
<211> 396

<212> DNA
<213> Homo sapiens

<400> 554
tggtaggcat tactgatgaa tcatggtgct ctttcttcca gagaccaaac ctggcctcgg 60
aatccttctt aacacagata ctgcttaaca caaccactct gagcagctgt cataagtaga 120
agtaatagat actagaagaa atgtctaagc ctaatctaga ccaaaatacg gcctgatata 180
gatgcaagcc agaggggckt tatggttaaa tgcaaggaga ttttcaaccc tgccgtctag 240
aagctacttg ctgagatctt cttcagttgg gcccatctcc tccccaggcc tctcttctgt 300
tcctgggcta tgtcacactt ggactctgca gacacctaat gctcttggga cctgctttag 360
ttcttgacct caccaaccga ggaggaattg ctagat 396

<210> 555
<211> 396
<212> DNA
<213> Homo sapiens

<400> 555
cagagaccaa acctggcctc ggaatccttc ttaacacaga tactgcttaa cacaaccact 60
ctgagcagct gtcataagta gaagtaatag atactagaag aaatgtctaa gcctaatcta 120
gaccaaaata cggcctgata tagatgcaag ccagaggggc tttatggtta aatgcaagga 180
gattttcaac cctgccgtyt agaagctact tgctgagatc ttcttcagtt gggcccatct 240
cctccccagg cctctcttct gttcctgggc tatgtcacac ttggactctg cagacaccta 300
atgctcttgg gacctgcttt agttcttgac ctcaccaacc gaggaggaat tgctagatga 360
gatccttccc ccggaatttc tctcttgaac cccaga 396

<210> 556
<211> 396
<212> DNA
<213> Homo sapiens

<400> 556
gggctttatg gttaaatgca aggagatttt caaccctgcc gtctagaagc tacttgctga 60
gatcttcttc agttgggccc atctcctccc caggcctctc ttctgttcct gggctatgtc 120
acacttggac tctgcagaca cctaatgctc ttgggacctg ctttagttct tgacctcacc 180
aaccgaggag gaattgctmg atgagatcct tcccccggaa tttctctctt gaaccccaga 240
tggtccgttg ccccttccca gaagttgctc cagccctgtc cgcttaggaa gttcagtgtc 300
atccttgatc cagtgggtag ggaagacatt ccataatgaa tgccccagtc tgagcttctt 360
ccttcaggct tcaggctgcc ctgcgaggat tttgca 396

<210> 557
<211> 396
<212> DNA
<213> Homo sapiens

<400> 557
gtagctgaga ctacaggtgt gcactaccac acccagctaa ttttttgtat ttttagtaga 60
gatagggttt agctatgttg gccaggctgg tctcgaactg ctgaactcaa gcaatctgcc 120
atccccggcc tcccaaagta ctgggagtat aggcataagc cacccatgat gcccagcctg 180
aatcttggtt tcttccccrt tcatttaagc tattacctgg gcctgaactc aatggcacct 240
ggcaccaact ggcaactgac tcttggtctt ttattaccta ccttccctag caggcactgg 300
gttgctccct cttcctatcc catggagtcc tgtcctctgt tggggctcct actgatcctc 360
ttggcaatat gaagttctca gctcaatggt gggtgg 396

<210> 558
<211> 396
<212> DNA
<213> Homo sapiens

<400> 558
cccggcctcc caaagtactg ggagtatagg cataagccac ccatgatgcc cagcctgaat 60
cttggtttct tccccattca tttaagctat tacctgggcc tgaactcaat ggcacctggc 120
accaactggc aactgactct tggtctttta ttacctacct tccctagcag gcactgggtt 180

gctccctctt cctatcccrt ggagtcctgt cctctgttgg ggctcctact gatcctcttg 240
gcaatatgaa gttctcagct caatggtggg tgggcaatga ctgccaactc ttgaggccaa 300
tgaactcagg ttaccccact cctcctcctc ctgagttgct cactcactcc tcattcactc 360
aacattgatt cagtagatat ttgctacctg ctctgt 396

<210> 559
<211> 396
<212> DNA
<213> Homo sapiens

<400> 559
ccggcctccc aaagtactgg gagtataggc ataagccacc catgatgccc agcctgaatc 60
ttggtttctt ccccattcat ttaagctatt acctgggcct gaactcaatg gcacctggca 120
ccaactggca actgactctt ggtcttttat tacctacctt ccctagcagg cactgggttg 180
ctccctcttc ctatcccayg gagtcctgtc ctctgttggg gctcctactg atcctcttgg 240
caatatgaag ttctcagctc aatggtgggt gggcaatgac tgccaactct tgaggccaat 300
gaactcaggt taccccactc ctcctcctcc tgagttgctc actcactcct cattcactca 360
acattgattc agtagatatt tgctacctgc tctgtg 396

<210> 560
<211> 396
<212> DNA
<213> Homo sapiens

<400> 560
ggcataagcc acccatgatg cccagcctga atcttggttt cttccccatt catttaagct 60
attacctggg cctgaactca atggcacctg gcaccaactg gcaactgact cttggtcttt 120
tattacctac cttccctagc aggcactggg ttgctccctc ttcctatccc atggagtcct 180
gtcctctgtt ggggctccya ctgatcctct tggcaatatg aagttctcag ctcaatggtg 240
ggtgggcaat gactgccaac tcttgaggcc aatgaactca ggttacccca ctcctcctcc 300
tcctgagttg ctcactcact cctcattcac tcaacattga ttcagtagat atttgctacc 360
tgctctgtgc caggtaccag gtcagttgct gaagga 396

<210> 561
<211> 396
<212> DNA
<213> Homo sapiens

<400> 561
cctggcacca actggcaact gactcttggt cttttattac ctaccttccc tagcaggcac 60
tgggttgctc cctcttccta tcccatggag tcctgtcctc tgttggggct cctactgatc 120
ctcttggcaa tatgaagttc tcagctcaat ggtgggtggg caatgactgc caactcttga 180
ggccaatgaa ctcaggttwc cccactcctc ctcctcctga gttgctcact cactcctcat 240
tcactcaaca ttgattcagt agatatttgc tacctgctct gtgccaggta ccaggtcagt 300
tgctgaagga gtaacagtga acatgacgga gtctttgtcc ccaaggagac ccaaggtgtc 360
tcctagagcc aggggcacat tgcaagacca aatata 396

<210> 562
<211> 396
<212> DNA
<213> Homo sapiens

<400> 562
ctggcaactg actcttggtc ttttattacc taccttccct agcaggcact gggttgctcc 60
ctcttcctat cccatggagt cctgtcctct gttggggctc ctactgatcc tcttggcaat 120
atgaagttct cagctcaatg gtgggtgggc aatgactgcc aactcttgag gccaatgaac 180
tcaggttacc ccactcctyc tcctcctgag ttgctcactc actcctcatt cactcaacat 240
tgattcagta gatatttgct acctgctctg tgccaggtac caggtcagtt gctgaaggag 300
taacagtgaa catgacggag tctttgtccc caaggagacc caaggtgtct cctagagcca 360
ggggcacatt gcaagaccaa atatattcaa cttacc 396

<210> 563
<211> 396

<212> DNA
<213> Homo sapiens

<400> 563
ccatggagtc ctgtcctctg ttggggctcc tactgatcct cttggcaata tgaagttctc 60
agctcaatgg tgggtgggca atgactgcca actcttgagg ccaatgaact caggttaccc 120
cactcctcct cctcctgagt tgctcactca ctcctcattc actcaacatt gattcagtag 180
atatttgcta cctgctctrt gccaggtacc aggtcagttg ctgaaggagt aacagtgaac 240
atgacggagt ctttgtcccc aaggagaccc aaggtgtctc ctagagccag gggcacattg 300
caagaccaaa tatattcaac ttaccaaaat aatcatagac ctagttctca aaaagcaaga 360
agactgattc ctcgttgtca tttctcctcc tcagca 396

<210> 564
<211> 396
<212> DNA
<213> Homo sapiens

<400> 564
ttagagtctg tgggcccctc caagtgtgga gtatggtgtt acttcaccag agtttgagga 60
gaaacattct tcttttggaa ggccggggag catagatgga tatcaaggct gctgtttcta 120
aaagcgaaac ccaccaaaca acagtattag aatcatctgt ggtgcttatt aaagatacag 180
attcctgggc cccatcccmg acttatgaat cagaatctct gccagaggaa gcctgagaat 240
ttgcattctc agatgattct gcattctcag ataacacatt ctttaggtga ttcttacaca 300
cactggagtt tgggaatcgc tgaaggctgt tcacttctct tttctgagaa atgattcatt 360
catttcagaa atatttgcag aggtccttat ttattg 396

<210> 565
<211> 396
<212> DNA
<213> Homo sapiens

<400> 565
tggcctcatt cgtgtgataa atctgagcca ccacgatatt tgacttttca caatttaatt 60
tatctgaacc ctctattctc tggctaaaaa atatccctta cttggacttc tttatttttat 120
tttcaattcc cttaccagca ctagcagggg actctgtact catctgctgg cgctgccata 180
acaaagcact gcagcctgkg gggctcaaac cacagaattt attctctcac agtcctagag 240
gctagaagtc caagatcaaa gtgtgggcag ggtcggtttc tcctgcagcc tctctccttg 300
gcttatagag tgccaccttc tacctgtgtc ttcacatcat cacctcactg agcatgtctg 360
tgtccaaatc tccccttctt ataagacccc agtcat 396

<210> 566
<211> 396
<212> DNA
<213> Homo sapiens

<400> 566
tctccttggc ttatagagtg ccaccttcta cctgtgtctt cacatcatca cctcactgag 60
catgtctgtg tccaaatctc cccttcttat aagaccccag tcatactgga tgaggatcca 120
cccatatgag ttcattttac cttaattatc tctttaaaca ccctgtctcc aaatacagtc 180
ccattctgag gaactgagrg taaagattca acatatgaat tttggaaggg acctaattca 240
gcccacaaca ccctcttttg ggatgtttat tttccccctt aaggagctag ttaggatgtc 300
ttatctcatg aacatgactg tgaacaggaa aacagggaga gaatgaagct ggccaaggaa 360
cagggctggt gtcagctagc agtgcttttc tgatgt 396

<210> 567
<211> 396
<212> DNA
<213> Homo sapiens

<400> 567
cattttacct taattatctc tttaaacacc ctgtctccaa atacagtccc attctgagga 60
actgagagta aagattcaac atatgaattt tggaagggac ctaattcagc ccacaacacc 120
ctcttttggg atgtttattt tccccccttaa ggagctagtt aggatgtctt atctcatgaa 180

catgactgtg aacaggaara cagggagaga atgaagctgg ccaaggaaca gggctggtgt 240
cagctagcag tgcttttctg atgtgagtgg gtcccacagg gagcttgtta aaatgcagat 300
tctgattcat taggttccag agggacctga gatttcccat ttctgacaag tttccagtgt 360
gggggctgat gctgctggtc cacggaccat actttg 396

<210> 568
<211> 396
<212> DNA
<213> Homo sapiens

<400> 568
gggagagaat gaagctggcc aaggaacagg gctggtgtca gctagcagtg cttttctgat 60
gtgagtgggt cccacaggga gcttgttaaa atgcagattc tgattcatta ggttccagag 120
ggacctgaga tttcccattt ctgacaagtt tccagtgtgg gggctgatgc tgctggtcca 180
cggaccatac tttgagtakc aaggagcttg atacataatg gctgagtgac tttcagactc 240
ctgctgtaga aaaattatga gttggctggg cgtggtggct cacgcctgta atcccagcac 300
tttgggaggc cgaggtgggc agatcacctg aggtcaggag ttcgagacca gcctggccaa 360
catggtgaaa caccatctct accaaaaata caaaaa 396

<210> 569
<211> 396
<212> DNA
<213> Homo sapiens

<400> 569
acttaagccc agaagactga ggttgcagtg agccgagatt gcaccactgc actccagctt 60
gggctacaga gtgagactct atctcaaaaa caaagaaaca aacaacaaca ataacaacaa 120
aaaccaagtc tctccctcca ctcaaaaatg caagggcctg tctcccattg ctgggtgccc 180
aggtctcatg aatgtagaya tgaattattc cagtcagcct caggagaata gaatgagccc 240
tcagatgccg aagcaccttt cagattccac cggttttatc ggctcattta aacttcactt 300
ctaacacagt cctgcattac acacgtgtct gtcgttatgg gcagctgcag agagggtctt 360
aatggtccta atgctcagtg aggatgccca atggtc 396

<210> 570
<211> 396
<212> DNA
<213> Homo sapiens

<400> 570
ctcaaaaaca aagaaacaaa caacaacaat aacaacaaaa accaagtctc tccctccact 60
caaaaatgca agggcctgtc tcccattgct gggtgcccag gtctcatgaa tgtagatatg 120
aattattcca gtcagcctca ggagaataga atgagccctc agatgccgaa gcacctttca 180
gattccaccg gttttatcrg ctcatttaaa cttcacttct aacacagtcc tgcattacac 240
acgtgtctgt cgttatgggc agctgcagag agggtcttaa tggtcctaat gctcagtgag 300
gatgcccaat ggtcaacaga acctgccatc ttcaggccat caaggagctc tggagttaag 360
gaaatcatga gagcacagag gggcgggtac agcaga 396

<210> 571
<211> 396
<212> DNA
<213> Homo sapiens

<400> 571
tgtagatatg aattattcca gtcagcctca ggagaataga atgagccctc agatgccgaa 60
gcacctttca gattccaccg gttttatcgg ctcatttaaa cttcacttct aacacagtcc 120
tgcattacac acgtgtctgt cgttatgggc agctgcagag agggtcttaa tggtcctaat 180
gctcagtgag gatgcccart ggtcaacaga acctgccatc ttcaggccat caaggagctc 240
tggagttaag gaaatcatga gagcacagag gggcgggtac agcagagccc tcgtggtaat 300
gggttttgag gtctaggctc tcttcacttg ggtttgaaat aagttcaatg actagtaata 360
gctgagacac ttctaccctt caaatgaagt aaatgg 396

<210> 572
<211> 396

<212> DNA
<213> Homo sapiens

<400> 572
agcacctttc agattccacc ggttttatcg gctcatttaa acttcacttc taacacagtc 60
ctgcattaca cacgtgtctg tcgttatggg cagctgcaga gagggtctta atggtcctaa 120
tgctcagtga ggatgcccaa tggtcaacag aacctgccat cttcaggcca tcaaggagct 180
ctggagttaa ggaaatcawg agagcacaga ggggcgggta cagcagagcc ctcgtggtaa 240
tgggttttga ggtctaggct ctcttcactt gggtttgaaa taagttcaat gactagtaat 300
agctgagaca cttctaccct tcaaatgaag taaatgggaa aatggagcat tgttgagtcc 360
agggagctat aatttaaacc ccatatatct aaaagg 396

<210> 573
<211> 396
<212> DNA
<213> Homo sapiens

<400> 573
cacacgtgtc tgtcgttatg ggcagctgca gagagggtct taatggtcct aatgctcagt 60
gaggatgccc aatggtcaac agaacctgcc atcttcaggc catcaaggag ctctggagtt 120
aaggaaatca tgagagcaca gaggggcggg tacagcagag ccctcgtggt aatgggtttt 180
gaggtctagg ctctcttcrc ttgggtttga aataagttca atgactagta atagctgaga 240
cacttctacc cttcaaatga agtaaatggg aaaatggagc attgttgagt ccagggagct 300
ataatttaaa ccccatatat ctaaaagggg taacattttt gtgtgtgtga aattggtgtc 360
attcgcactg catctacagt tttctttttc cttctc 396

<210> 574
<211> 396
<212> DNA
<213> Homo sapiens

<400> 574
acatatttgg gaaacgcatc atactcttcc tgttcctcat gtccgttgct ggcatattca 60
actattacct catcttcttt ttcggaagtg actttgaaaa ctacataaag acgatctcca 120
ccaccatctc ccctctactt ctcattccct aactctctgc tgaatatggg gttggtgttc 180
tcatctaatc aatacctaya agtcatcata attcagctct tgagagcatt ctgctcttct 240
ttagatggct gtaaatctat tggccatctg ggcttcacag cttgagttaa ccttgctttt 300
ccgggaacaa aatgatgtca tgtcagctcc gccccttgaa catgaccgtg gccccaaatt 360
tgctattccc atgcattttg tttgtttctt cactta 396

<210> 575
<211> 396
<212> DNA
<213> Homo sapiens

<400> 575
tggtgttctc atctaatcaa tacctacaag tcatcataat tcagctcttg agagcattct 60
gctcttcttt agatggctgt aaatctattg gccatctggg cttcacagct tgagttaacc 120
ttgcttttcc gggaacaaaa tgatgtcatg tcagctccgc cccttgaaca tgaccgtggc 180
cccaaatttg ctattcccrt gcattttgtt tgtttcttca cttatcctgt tctctgaaga 240
tgttttgtga ccaggtttgt gttttcttaa aataaaatgc agagacatgt tttaagctga 300
tagttgaggg gttttgttaa tggcttttgg gggatttatc tctataccca caaacgacta 360
gtttgttttc ctcaaactaa atgataatat taaaaa 396

<210> 576
<211> 396
<212> DNA
<213> Homo sapiens

<400> 576
ttatctctat acccacaaac gactagtttg ttttcctcaa actaaatgat aatattaaaa 60
atacacatcc tggccaggtg tggtggctca tacctgtaat cccagcactt tgggaggccg 120
aggcaggtgg atcacttgag gtcaggaatt aagaccagcc tggccaatat ggtgaaagcc 180

tgtctgtact aaaaatacra aaattagcca ggtatgctgg tggatgctta taatcccagc 240
tacttgggag gttgaggcag gagaattgct tgaacccggg aggtagaggt tgcagtgagc 300
caagatcatg ccactgcact ccagcttggg caacagagtg agactccatc tcaaattaaa 360
aaaaatacac atctggcttc tggaaaaatt acttga 396

<210> 577
<211> 396
<212> DNA
<213> Homo sapiens

<400> 577
gatcatgcca ctgcactcca gcttgggcaa cagagtgaga ctccatctca aattaaaaaa 60
aatacacatc tggcttctgg aaaaattact tgaagatctt ttatgacatc catccctctt 120
cacacagcca tgtgaattag gttggtatct tcatatacta gcatcgtgcc cagcacttcc 180
atgttataca gtttaaaakg ttctgtaatt ccctgtggga acctaagata atgcgaggac 240
cgtcatacgt gcccccaaat attggcaaac caatgaataa atgaatgaat gagtttatga 300
atcgctaact ggctgtattt aatgaagtat gtgtgttgag ccatttccca cagtgtggac 360
agatttgtcc cacaatatgg gcctcttccc aaaggc 396

<210> 578
<211> 396
<212> DNA
<213> Homo sapiens

<400> 578
aattaaaaaa aatacacatc tggcttctgg aaaaattact tgaagatctt ttatgacatc 60
catccctctt cacacagcca tgtgaattag gttggtatct tcatatacta gcatcgtgcc 120
cagcacttcc atgttataca gtttaaaatg ttctgtaatt ccctgtggga acctaagata 180
atgcgaggac cgtcatacrt gcccccaaat attggcaaac caatgaataa atgaatgaat 240
gagtttatga atcgctaact ggctgtattt aatgaagtat gtgtgttgag ccatttccca 300
cagtgtggac agatttgtcc cacaatatgg gcctcttccc aaaggcccta ccacctaatg 360
ccatcacact ggggatttga tttcaacatg tgaatt 396

<210> 579
<211> 396
<212> DNA
<213> Homo sapiens

<400> 579
agttcatagt gacagtgatc cagccactgt catgacaggt gccacttggc agaaacagca 60
cagcttggaa gatggcgggg tgtagtcaag attccaggat ccccaacaga gaagccagct 120
cttatagggg agccattcat caggattgaa ctctcaatcg agctggacag taataggtgg 180
gtctgtgtta ttccccagrt gagtatcatg acagtcacaa tcctaggaag gatgtgaagc 240
ctcccccagc tctcctccag ttgcctgctt gggcagcaga gatgatggaa tgtggagtct 300
ggcgtggtct gaggcctgaa tccatgtgcc tcatgtatga tgctcaggca agaggatctc 360
tcaattcaag ggagagggcc tgaatgagcc ttgctt 396

<210> 580
<211> 396
<212> DNA
<213> Homo sapiens

<400> 580
cttggcagaa acagcacagc ttggaagatg gcggggtgta gtcaagattc caggatcccc 60
aacagagaag ccagctctta taggggagcc attcatcagg attgaactct caatcgagct 120
ggacagtaat aggtgggtct gtgttattcc ccagatgagt atcatgacag tcacaatcct 180
aggaaggatg tgaagcctyc cccagctctc ctccagttgc ctgcttgggc agcagagatg 240
atggaatgtg gagtctggcg tggtctgagg cctgaatcca tgtgcctcat gtatgatgct 300
caggcaagag gatctctcaa ttcaagggag agggcctgaa tgagccttgc tttccaggcc 360
tgtctgatgg tccaggctga agcccctcct ggcttg 396

<210> 581
<211> 396

<212> DNA
<213> Homo sapiens

<400> 581
ctggcgtggt ctgaggcctg aatccatgtg cctcatgtat gatgctcagg caagaggatc 60
tctcaattca agggagaggg cctgaatgag ccttgctttc caggcctgtc tgatggtcca 120
ggctgaagcc cctcctggct tgcactgcca gacctcatcc agcaggagct ccttggcatt 180
gactgcttca ggatagttsc ttctgctctg agtgctctct aaagagcagt gctctaccat 240
ccaagctggg cttttctttt cttcttgctg atagggaagg catgggacat tgcaggatgg 300
aagtggcccc caggccttct catgcctggg cttggtttgg aaggtggtca ggtgatcaat 360
aatcctgatt ggcctggcat tgaggagttt tcctgg 396

<210> 582
<211> 396
<212> DNA
<213> Homo sapiens

<400> 582
tgctctctaa agagcagtgc tctaccatcc aagctgggct tttcttttct tcttgctgat 60
agggaaggca tgggacattg caggatggaa gtggccccca ggccttctca tgcctgggct 120
tggtttggaa ggtggtcagg tgatcaataa tcctgattgg cctggcattg aggagttttc 180
ctgggatgtg gtcctttcrg ttttttaaaa attatttta ttgatacaca tatttgtagg 240
tatttgtggg gtgcatgtga tactttatta tgtgtgtgga ttgtgtaatg atgaagtcag 300
ggcatttagg gtcttcatca ccttgattat catttctatg tgttgagaac atttcaagtt 360
ctcagttcca gctattttga aatagacagt ccattt 396

<210> 583
<211> 396
<212> DNA
<213> Homo sapiens

<400> 583
gatactttat tatgtgtgtg gattgtgtaa tgatgaagtc agggcattta gggtcttcat 60
caccttgatt atcatttcta tgtgttgaga acatttcaag ttctcagttc cagctatttt 120
gaaatagaca gtccattttg ttagctacag tcacccaacc cggctgtcag acattggaac 180
ttactcctat tgaactgtrt atttgtaccc attcaccaaa ctctctttgg gctttcagtt 240
ttacaactgg gatgatcctg ggaaaactaa agtaaatcag acacccgacg tgtgagctag 300
gttataatat gcccagtgga ccctggggac atcttagctt tcagaggtca tgctgtccaa 360
gctgactgtg gggcttccag aaggtgggga gaggaa 396

<210> 584
<211> 396
<212> DNA
<213> Homo sapiens

<400> 584
tatgtgtgtg gattgtgtaa tgatgaagtc agggcattta gggtcttcat caccttgatt 60
atcatttcta tgtgttgaga acatttcaag ttctcagttc cagctatttt gaaatagaca 120
gtccattttg ttagctacag tcacccaacc cggctgtcag acattggaac ttactcctat 180
tgaactgtgt atttgtacyc attcaccaaa ctctctttgg gctttcagtt ttacaactgg 240
gatgatcctg ggaaaactaa agtaaatcag acacccgacg tgtgagctag gttataatat 300
gcccagtgga ccctggggac atcttagctt tcagaggtca tgctgtccaa gctgactgtg 360
gggcttccag aaggtgggga gaggaaatga tgcaat 396

<210> 585
<211> 396
<212> DNA
<213> Homo sapiens

<400> 585
tgggaaaact aaagtaaatc agacacccga cgtgtgagct aggttataat atgcccagtg 60
gaccctgggg acatcttagc tttcagaggt catgctgtcc aagctgactg tggggcttcc 120
agaaggtggg gagaggaaat gatgcaatgg cccatcagag gcactacttg gggcctgggg 180

ccagagtgca tgtctaagsc attaagggga ggggagagca gccttcataa ttatgaagag 240
gagtctcagg tgcacagctt ctgatgaggg acagcttcta attgaagaca gcattgtgta 300
atgctcaaac tccctgtctt cagagtgcct gctgtatccc accatcagtt ctgtgacttc 360
tccctaagcc tcaattttgc atgtgttaca ttggga 396

<210> 586
<211> 396
<212> DNA
<213> Homo sapiens

<400> 586
cctgcatagc aaattcttgc aaatgtaggg actcaaaaca atataaattt attatctgac 60
agtttttctg ggtcagaggt cttactaggc tgtaatcaga gggcaaccaa agctgtgatc 120
tcagctgaag ctcaggattc tcttccaagc tcactggttg ttggcagaat tcagttcttt 180
ccagttggaa gactaaagyc tacagtcttc agtctctaga agccttttct ctggcacagg 240
tttctctaca acatggccat ttatgtcttt aaggccaata ggagaacatg attagcatat 300
ttttttaag tgaactttag acccttttt aaaggcctat ctgattaggc caggcccaag 360
tgagctttaa gtcaactgat tagagatctt aattac 396

<210> 587
<211> 396
<212> DNA
<213> Homo sapiens

<400> 587
ctgaagctca ggattctctt ccaagctcac tggttgttgg cagaattcag ttctttccag 60
ttggaagact aaagcctaca gtcttcagtc tctagaagcc ttttctctgg cacaggtttc 120
tctacaacat ggccatttat gtctttaagg ccaataggag aacatgatta gcatattttt 180
tttaagtgaa ctttagacyc ttttttaaag gcctatctga ttaggccagg cccaagtgag 240
ctttaagtca actgattaga gatcttaatt acatctgcaa agtcccttca tgtttaccgt 300
ataacataac ttagtgaaag gagtgaaatt gcaaccaggt tctgcctgca ctccacggaa 360
ggggattctg cagaagtgtg ggtcacgggg gggtta 396

<210> 588
<211> 396
<212> DNA
<213> Homo sapiens

<400> 588
agaacatgat tagcatattt tttttaagtg aactttagac ccttttttaa aggcctatct 60
gattaggcca ggcccaagtg agctttaagt caactgatta gagatcttaa ttacatctgc 120
aaagtccctt catgtttacc gtataacata acttagtgaa aggagtgaaa ttgcaaccag 180
gttctgcctg cactccacrg aaggggattc tgcagaagtg tgggtcacgg gggggttatt 240
ttgggattct gcctacgtca ctgagtcaaa agaagctgaa tggttgtgat gctgaggttt 300
ttgggcagca gcagtgtgtg tgtgtgagtg aattcatacg tatgaccacc tgggaagaaa 360
ggaggctgtg gtttcctcca cctcctggca gacaga 396

<210> 589
<211> 396
<212> DNA
<213> Homo sapiens

<400> 589
gggattacag acacacactg ccacgcctgg ctaatttttg tatttttagt agagacgagg 60
ttttgccatg ttggccaggc tggtcttgaa ctcctgacct caagtgatcc gcccacctca 120
gcctcccaaa gtgctgggat tacagacgtg agccaccatt aaccattttt ctatctcctg 180
tgggaaaggg cacagtgara gaacagatga agctgagaca tacaagtgaa ctcctccctc 240
ctctccattt agactaaaat aggattattc atactgagat tctccctggt tgcaaagaga 300
taatctgtgc aactgggttt ttacaattat ccctacccta tgctttcctc atctgtcttc 360
ctcgtagtca gctcaggctg ctataacaaa acacca 396

<210> 590
<211> 396

<212> DNA
<213> Homo sapiens

<400> 590
ggcagattcg gtgtctaatg aggtcctgct ttccagttta tagacagtgc cttatcgcta 60
ccgccttaca cagtggaagg agaggacgag aagctccttg ggctttttt tgtttctttc 120
tttctctctc tctctctttt ttttttttt aataaggtca ctatcttagt ccattttgtg 180
ttgctaaaag gaacatctra ggttgagtaa tttattttat tttaaaaagt ggccaggcat 240
ggaggcttat cctgtaaccc taatccttta ggaggccaaa acagcaggat tgtttgaggc 300
caggagttca agaccagcct aggcaagata gtgagacccc atctacccca tctctactaa 360
aattttaaaa aattagctgt gtgttgtaaa gtgtgc 396

<210> 591
<211> 396
<212> DNA
<213> Homo sapiens

<400> 591
aatttatttt attttaaaaa gtggccaggc atggaggctt atcctgtaac cctaatcctt 60
taggaggcca aaacagcagg attgtttgag gccaggagtt caagaccagc ctaggcaaga 120
tagtgagacc ccatctaccc catctctact aaaattttaa aaaattagct gtgtgttgta 180
aagtgtgctt gtagtcccrg ccacttgaga ggctgaggtg ggtggagttc aaggctgcag 240
tgagttatga ttgagccact gcactccaac ccgggtaacg gggcaagacc ttgtctctat 300
ttaaaaaaaa aaaatcttta tgtggctcac tattctgggt ggctggaaag ttcaagattg 360
ggcatctgca tctggtgaca gcctcatgtc gcttcc 396

<210> 592
<211> 396
<212> DNA
<213> Homo sapiens

<400> 592
taaccctaat cctttaggag gccaaaacag caggattgtt tgaggccagg agttcaagac 60
cagcctaggc aagatagtga gaccccatct accccatctc tactaaaatt ttaaaaaatt 120
agctgtgtgt tgtaaagtgt gcttgtagtc ccggccactt gagaggctga ggtgggtgga 180
gttcaaggct gcagtgagwt atgattgagc cactgcactc caacccgggt aacggggcaa 240
gaccttgtct ctatttaaaa aaaaaaaatc tttatgtggc tcactattct gggtggctgg 300
aaagttcaag attgggcatc tgcatctggt gacagcctca tgtcgcttcc agtcatgggg 360
gaagacgaag gagagctggc acgtgcagat atcacg 396

<210> 593
<211> 396
<212> DNA
<213> Homo sapiens

<400> 593
atcctttagg aggccaaaac agcaggattg tttgaggcca ggagttcaag accagcctag 60
gcaagatagt gagaccccat ctaccccatc tctactaaaa ttttaaaaaa ttagctgtgt 120
gttgtaaagt gtgcttgtag tcccggccac ttgagaggct gaggtgggtg gagttcaagg 180
ctgcagtgag ttatgattra gccactgcac tccaacccgg gtaacggggc aagaccttgt 240
ctctatttaa aaaaaaaaaa tctttatgtg gctcactatt ctgggtggct ggaaagttca 300
agattgggca tctgcatctg gtgacagcct catgtcgctt ccagtcatgg gggaagacga 360
aggagagctg gcacgtgcag atatcacgtg ttgagg 396

<210> 594
<211> 396
<212> DNA
<213> Homo sapiens

<400> 594
ttaaaaaatt agctgtgtgt tgtaaagtgt gcttgtagtc ccggccactt gagaggctga 60
ggtgggtgga gttcaaggct gcagtgagtt atgattgagc cactgcactc caacccgggt 120
aacggggcaa gaccttgtct ctatttaaaa aaaaaaaatc tttatgtggc tcactattct 180

gggtggctgg aaagttcarg attgggcatc tgcatctggt gacagcctca tgtcgcttcc 240
agtcatgggg gaagacgaag gagagctggc acgtgcagat atcacgtgtt gagggcagaa 300
gcgagagaga gaggggagag atgccaggct ctttttaaca accagcactg gggaaactaa 360
tagagtgaga gctcactgac tcctgaggga ggacat 396

<210> 595
<211> 396
<212> DNA
<213> Homo sapiens

<400> 595
atgggggaag acgaaggaga gctggcacgt gcagatatca cgtgttgagg gcagaagcga 60
gagagagagg ggagagatgc caggctcttt ttaacaacca gcactgggga aactaataga 120
gtgagagctc actgactcct gagggaggac attaatctat tgatgagcga cctgcctcca 180
tgacccaaac acctccaayg ataccccacc tccaacactg ccacactagg gattaacttt 240
caacttgaga tttagagggg ggaaacttac aaactatcgc aggcactaat accactcatg 300
agggctccac cttcatgacc taatcacttc ctaaaggcct tacctcttaa tctcatcaca 360
ttgaggattc gatttcaact tgaattttgg ggggac 396

<210> 596
<211> 396
<212> DNA
<213> Homo sapiens

<400> 596
ctcgctgcca cctgaaatta gatcatttat ttacccctttt atttgttcag tttgccttgt 60
ccgttagaat ataagcttcc aaagggcagg agctttgcct atattgttag gccgggcata 120
caatgagcac tcaaaaaaat atttgatgag tgtatgaaag aacagactgg gttatgtaat 180
tgtgcctact tacctatayg accgtgtggt ggggtttatg gtgggtgtgg tggtgatggc 240
tatagggcta taagcaaatt tgggacaggg agtctaagaa atgttcttaa attttagtaa 300
gcaaagcatc ctctacagaa cctgtcttaa aacatgaaag ttccttagtg ctacccccag 360
aggtatgatt tggtaggtca aggatagggc ctggaa 396

<210> 597
<211> 396
<212> DNA
<213> Homo sapiens

<400> 597
tgccacctga aattagatca tttatttacc cctttatttg ttcagtttgc cttgtccgtt 60
agaatataag cttccaaagg gcaggagctt tgcctatatt gttaggccgg gcatacaatg 120
agcactcaaa aaaatatttg atgagtgtat gaaagaacag actgggttat gtaattgtgc 180
ctacttacct atatgaccrt gtggtggggt ttatggtggg tgtggtggtg atggctatag 240
ggctataagc aaatttggga cagggagtct aagaaatgtt cttaaatttt agtaagcaaa 300
gcatcctcta cagaacctgt cttaaaacat gaaagttcct tagtgctacc cccagaggta 360
tgatttggta ggtcaaggat agggcctgga aattca 396

<210> 598
<211> 396
<212> DNA
<213> Homo sapiens

<400> 598
cctgtcttaa aacatgaaag ttccttagtg ctacccccag aggtatgatt tggtaggtca 60
aggatagggc ctggaaattc acattcttgt taagatgttc ttcatccggg gtttgttgac 120
caccttttca gaagattttt gctctgtagc tgtactaccc aatgcagtag ttcgtagtca 180
gtgtggctcc tgagccctyg aagtgtagct cctctgaact gagacgtgct gtaaatgtaa 240
attgcacacc ggagtttgaa gagttaatac aaagaaaaag gaatgcaaaa catctcatta 300
ataatgcttt acactgatta catattgaaa tggtaatctt gtagatatag tgcgttaaat 360
aaaatatact gttaggctta atttcacgtc tttata 396

<210> 599
<211> 396

<212> DNA
<213> Homo sapiens

<400> 599
tcagccaatc aacaagaggg caaaagaaca aacatttgat gtgtaattac ttaatttagt 60
gcatatgcat ttgggtcctc aatgtcagca ctatggcaac cagaacatgg ccacaataac 120
tgtctggaaa tgtctattct tacctggacc cagcaggcca tgccccactg attatataat 180
ctccctctct ccttgttayg gtctgaatgc ttgcatccct caaaaattca tgtgttgaaa 240
tcctaacccc caaggtgatg atattaggag gtcggccttt tgagaggtaa ttaggtcatg 300
aagacagcat cctcatgaat gggattagtg tccttataaa ataggcccaa gggagctcat 360
tcactttgtc caccatgtga gaacacagcg agaggg 396

<210> 600
<211> 396
<212> DNA
<213> Homo sapiens

<400> 600
ccttgttacg gtctgaatgc ttgcatccct caaaaattca tgtgttgaaa tcctaacccc 60
caaggtgatg atattaggag gtcggccttt tgagaggtaa ttaggtcatg aagacagcat 120
cctcatgaat gggattagtg tccttataaa ataggcccaa gggagctcat tcactttgtc 180
caccatgtga gaacacagyg agagggcacc atttatgcac caggaaatgg gccttttcca 240
gacaatctgt cggtgcctgg atcttggact tcacagcctc tagaactgtg agaaattaat 300
ttgtttttta taagccacca aatctatggt ttttttata gaaaccgtaa tggactaaaa 360
cactccctaa ttatatttaa acttatcagt gcactg 396

<210> 601
<211> 396
<212> DNA
<213> Homo sapiens

<400> 601
ctaaccccca aggtgatgat attaggaggt cggccttttg agaggtaatt aggtcatgaa 60
gacagcatcc tcatgaatgg gattagtgtc cttataaaat aggcccaagg gagctcattc 120
actttgtcca ccatgtgaga acacagcgag agggcaccat ttatgcacca ggaaatgggc 180
cttttccaga caatctgtyg gtgcctggat cttggacttc acagcctcta gaactgtgag 240
aaattaattt gttttttata agccaccaaa tctatggttt tttttataga aaccgtaatg 300
gactaaaaca ctccctaatt atatttaaac ttatcagtgc actgggcagt gacatattaa 360
aagaatgctg gccaacgtaa ttgacaccat aaggct 396

<210> 602
<211> 396
<212> DNA
<213> Homo sapiens

<400> 602
tcatctcatt ttaacctttt gtttcaaagc ctctcttttc atgacttccc cgccttcatt 60
tttcccatat ggtggggtta ttattaagac attaaatgag agtggacagg taggcaaagg 120
aggtgggttg caggggagtt gagggttgcc tgtgtacttt tctagactgt tccacttcac 180
atcagtgaaa tattcccart tgatactatc atgaaacaaa gcaaatgaaa tgctgagcac 240
ggagcttcgt cttgatgaaa tgctgaaaga aaagaaagga aaaataaagt agccattatt 300
tttgcccttc ctcccacccc catgtttact actcttattt ctcttttgta ttgttgtgtt 360
ggaagcacag catcagaaaa actcccagtt ttgaga 396

<210> 603
<211> 396
<212> DNA
<213> Homo sapiens

<400> 603
acaggtaggc aaaggaggtg ggttgcaggg gagttgaggg ttgcctgtgt acttttctag 60
actgttccac ttcacatcag tgaaatattc ccaattgata ctatcatgaa acaaagcaaa 120
tgaaatgctg agcacggagc ttcgtcttga tgaaatgctg aaagaaaaga aaggaaaaat 180

aaagtagcca ttatttttrc ccttcctccc acccccatgt ttactactct tatttctctt 240
ttgtattgtt gtgttggaag cacagcatca gaaaaactcc cagttttgag agataactca 300
gtgtttagtt cacttaaacc tgagaaagga gaagaggatg ccaccgtgag gtccaggacg 360
taaagaggaa aaaaacagac aaaaaaatcc atatga 396

<210> 604
<211> 396
<212> DNA
<213> Homo sapiens

<400> 604
caggtaggca aaggaggtgg gttgcagggg agttgagggt tgcctgtgta cttttctaga 60
ctgttccact tcacatcagt gaaatattcc caattgatac tatcatgaaa caaagcaaat 120
gaaatgctga gcacggagct tcgtcttgat gaaatgctga aagaaaagaa aggaaaaata 180
aagtagccat tatttttgmc cttcctccca cccccatgtt tactactctt atttctcttt 240
tgtattgttg tgttggaagc acagcatcag aaaaactccc agttttgaga gataactcag 300
tgtttagttc acttaaacct gagaaaggag aagaggatgc caccgtgagg tccaggacgt 360
aaagaggaaa aaaacagaca aaaaaatcca tatgaa 396

<210> 605
<211> 396
<212> DNA
<213> Homo sapiens

<400> 605
ttcgtcttga tgaaatgctg aaagaaaaga aaggaaaaat aaagtagcca ttatttttgc 60
ccttcctccc acccccatgt ttactactct tatttctctt ttgtattgtt gtgttggaag 120
cacagcatca gaaaaactcc cagttttgag agataactca gtgtttagtt cacttaaacc 180
tgagaaagga gaagaggayg ccaccgtgag gtccaggacg taaagaggaa aaaaacagac 240
aaaaaaatcc atatgaaatg aaaatgtgaa agaggcgctt tcgagcagat gagtgttgta 300
gattacagtg ttgagagctg tttgtgtcca gagctgcttg ctgcacctgg cgggataaac 360
actggtctaa cagaggatcc ttgtttcaag gaggct 396

<210> 606
<211> 396
<212> DNA
<213> Homo sapiens

<400> 606
aagaaaagaa aggaaaaata aagtagccat tatttttgcc cttcctccca cccccatgtt 60
tactactctt atttctcttt tgtattgttg tgttggaagc acagcatcag aaaaactccc 120
agttttgaga gataactcag tgtttagttc acttaaacct gagaaaggag aagaggatgc 180
caccgtgagg tccaggacrt aaagaggaaa aaaacagaca aaaaaatcca tatgaaatga 240
aaatgtgaaa gaggcgcttt cgagcagatg agtgttgtag attacagtgt tgagagctgt 300
ttgtgtccag agctgcttgc tgcacctggc gggataaaca ctggtctaac agaggatcct 360
tgtttcaagg aggctgcctt ttatttgggg ggacaa 396

<210> 607
<211> 396
<212> DNA
<213> Homo sapiens

<400> 607
attatttttg cccttcctcc caccccccatg tttactactc ttatttctct tttgtattgt 60
tgtgttggaa gcacagcatc agaaaaactc ccagttttga gagataactc agtgtttagt 120
tcacttaaac ctgagaaagg agaagaggat gccaccgtga ggtccaggac gtaaagagga 180
aaaaaacaga caaaaaaayc catatgaaat gaaaatgtga aagaggcgct ttcgagcaga 240
tgagtgttgt agattacagt gttgagagct gtttgtgtcc agagctgctt gctgcacctg 300
gcgggataaa cactggtcta acagaggatc cttgtttcaa ggaggctgcc ttttatttgg 360
ggggacaaaa ttgttcttga aagctgctca gtggtt 396

<210> 608
<211> 396

<212> DNA
<213> Homo sapiens

<400> 608
tttgtattgt tgtgttggaa gcacagcatc agaaaaactc ccagttttga gagataactc 60
agtgtttagt tcacttaaac ctgagaaagg agaagaggat gccaccgtga ggtccaggac 120
gtaaagagga aaaaaacaga caaaaaaatc catatgaaat gaaaatgtga aagaggcgct 180
ttcgagcaga tgagtgttrt agattacagt gttgagagct gtttgtgtcc agagctgctt 240
gctgcacctg gcgggataaa cactggtcta acagaggatc cttgtttcaa ggaggctgcc 300
ttttatttgg ggggacaaaa ttgttcttga aagctgctca gtggttcaag ctacagcatg 360
gtggactagc agaatggact ccagggcctc cgagga 396

<210> 609
<211> 396
<212> DNA
<213> Homo sapiens

<400> 609
ttttgagaga taactcagtg tttagttcac ttaaacctga gaaaggagaa gaggatgcca 60
ccgtgaggtc caggacgtaa agaggaaaaa aacagacaaa aaaatccata tgaaatgaaa 120
atgtgaaaga ggcgctttcg agcagatgag tgttgtagat tacagtgttg agagctgttt 180
gtgtccagag ctgcttgcyg cacctggcgg gataaacact ggtctaacag aggatccttg 240
tttcaaggag gctgcctttt atttgggggg acaaaattgt tcttgaaagc tgctcagtgg 300
ttcaagctac agcatggtgg actagcagaa tggactccag ggcctccgag gagacagtga 360
ctgctgccag aaatagtcaa ggatagaaag gaagga 396